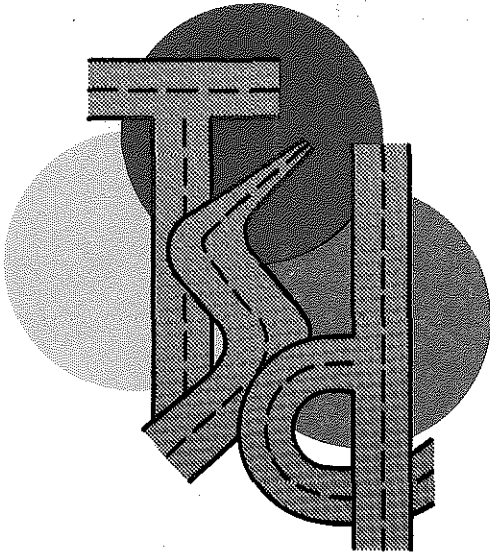


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A TRAFFIC ACCIDENT ANALYSIS
AND TRAFFIC CONTROL DEVICES INVENTORY
IN CALHOUN COUNTY
Report TSD-225-73



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A TRAFFIC ACCIDENT ANALYSIS
AND TRAFFIC CONTROL DEVICES INVENTORY
IN CALHOUN COUNTY

Report TSD-225-73

by

JOSEPH L. MESZAROS

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November 1973

PREPARED BY

Traffic Engineering Services
Traffic and Safety Division
Michigan Department of State Highways and Transportation

in cooperation with
The Michigan Office of Highway Safety Planning
and
The U. S. Department of Transportation
Federal Highway Administration

"The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the State or U. S. Department of Transportation, Federal Highway Administration."

ACKNOWLEDGMENTS

MICHIGAN DEPARTMENT OF STATE POLICE

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Lt. Charles Weirman
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INTRODUCTION

The Highway Safety Act of 1966 was enacted by the Congress of the United States in order to promote highway safety. Highway safety standards were then developed to assure the orderly implementation of the Act.

Purpose

Highway Safety Standard 4.4.13, Traffic Engineering Services, is one of those standards. The purpose of Standard 4.4.13 is

"to assure the full and proper application of modern traffic engineering principles and uniform standards for traffic control to reduce the likelihood and severity of traffic accidents."

This standard includes the identifying of specific locations or sections of streets and highways which have a high accident experience or potential as a basis for establishing priorities for improvement, selective enforcement or other practices that will eliminate or reduce the hazards. It provides an orderly inventory of all traffic control devices, which includes those signs, signals, markings and devices placed on, over or adjacent to a street or highway to regulate, warn and guide vehicular and pedestrian traffic.

The State of Michigan carries out a service of this type on the state trunkline system; however, many of the city and county agencies lack the financial and technical prerequisites necessary to pursue similar programs with similarly defined objectives. To insure that this additional highway safety standard is met and to improve the overall evaluation of the accident picture in Michigan, the Michigan Department of State Highways and Transportation requested and received through the Office of Highway Safety Planning in the Department of State Police, a federally funded project entitled "Traffic Engineering Services for Cities and Counties".

In cooperation with participating cities and counties, the proposed service, under the direction of Department personnel, will make a traffic engineering evaluation of the factors causing traffic accidents and will recommend corrections to those conditions which may be contributing to accidents; and additionally will recommend the upgrading of traffic control devices where necessary.

Scope

The intent of this program is to improve traffic safety on all Michigan streets and roads by expanding the traffic engineering evaluation of factors causing accidents, and by providing uniform standards for traffic control to reduce the likelihood and severity of traffic accidents.

Study Procedures

The study procedures for this project involve a review of high accident locations, and an inventory of traffic control devices.

The review of high accident locations includes: basic data collection, identifying and locating high accident locations, an accident analysis of these high accident locations, technical evaluation of accident facts, and consequent remedial recommendations.

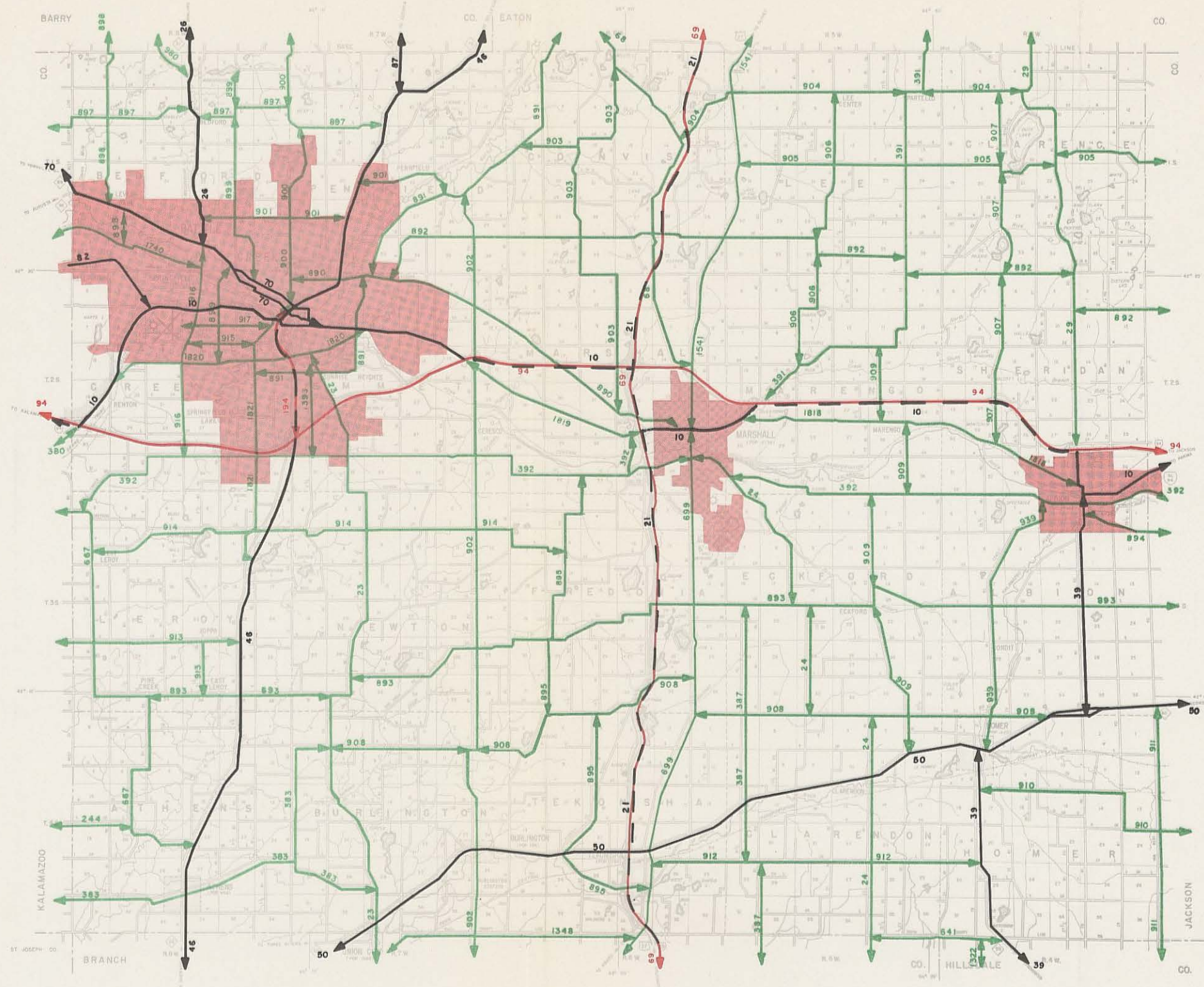
The traffic control devices inventory includes: a field review of all major non-trunkline routes noting the placement, condition and adequacy of traffic control devices, tabulating the field data, determining priorities for upgrading of traffic control devices and determining costs for this program.

STUDY AREA

Calhoun County is located in the southern central portion of the state (Figure 1). It is bordered by Jackson County on the east, Eaton and Barry Counties on the north, Kalamazoo County on the west, and Branch and Hillsdale Counties on the south.

The population of Calhoun County in 1970 was 141,963 which is an increase of 2.2 percent over the 1960 census. This increase is not uncommon since the population of the county has been steadily increasing since 1920. The City of Battle Creek located within the county makes up 27.4 percent of the county's total population.

The road system in Calhoun County, according to the Twenty-First Annual Progress Report as compiled by the Local Government Division of the Michigan Department of State Highways and Transportation, is made up of 156.91 miles of state trunkline, 507.13 miles of county primary roads and 929.52 miles of county local roads, for a total of 1,593.56 miles of roadway.



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FOR FEDERAL - AID SYSTEM DETAILS
 SEE FEDERAL - AID SYSTEM AND
 URBAN AREA BOUNDARY MAP.

LEGEND

APPROVED FEDERAL AID SYSTEM	PROPOSED REVISIONS
INTERSTATE	ADDITION TO _____ SYSTEM
INTERSTATE AND PRIMARY	DELETION FROM _____ SYSTEM
PRIMARY	FEDERAL-AID URBAN BOUNDARY
SECONDARY (STATE)	REVISED TO JANUARY 1, 1975
SECONDARY (COUNTY)	

FEDERAL AID SYSTEMS
 CALHOUN COUNTY

MICHIGAN
 STATE HIGHWAY COMMISSION
 DEPARTMENT OF STATE HIGHWAYS
 DATA OBTAINED FROM
 HIGHWAY PLANNING SURVEY
 CONDUCTED IN COOPERATION WITH
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 BUREAU OF PUBLIC ROADS
 SCALE 1" = 2.75 MILES
 MERCATOR PROJECTION

TRAFFIC ENGINEERING ANALYSIS

CONTROL DEVICES INVENTORY

Collection of Field Data

In the traffic control devices inventory, all county-maintained traffic control devices on the County Primary Road System including the Federal-Aid-Secondary routes (Figure 2) within Calhoun County were surveyed. All county-maintained signs on this system were inventoried, including "STOP", "YIELD" and advance warning signs on other roads which intersect the inventoried routes. Traffic control devices which are adequate in their present state were tabulated by the field crews and are included on the quantity sheets and the work sheets. Additional traffic control devices and those in need of replacement were located by establishing their distance in miles from a major crossroad, city or village limit, or the county line.

All signs on the County Primary Road System were inventoried by driving west to east or south to north, depending on the basic direction of the route. In the case of two intersecting inventoried routes, the "STOP" and "YIELD" signs at such intersections were inventoried on their respective routes.

Traffic Control Orders for speed zones on the County Primary Road System were checked with the Department of State Police. All areas along the inventoried routes were checked to ensure compliance with these Traffic Control Orders, as well as the Michigan Manual of Uniform Traffic Control Devices.

This study does not include a check of Traffic Control Orders for parking prohibitions and restrictions. It is suggested that as a part of the general sign upgrading efforts of the County Road Commission, all non-parking zones be checked in the field to ensure that they conform to the Traffic Control Orders and the Michigan Manual of Uniform Traffic Control Devices.

Conversion of Field Data

Two simple forms (Work Sheets and Quantity Sheets) were developed upon which to record the collected field data. This should enable the Calhoun County Road Commission's personnel to determine the necessary work which must be done at particular locations and also the total amount

of work to be done county wide and per route. These sheets are located under Appendix I of this report.

The work sheets are the forms which the county will use to do the actual field work. There is a work sheet for each inventoried route where work is necessary. These reference points are measured from major crossroads, city or village limits, or the county line. The "Location" column on this sheet refers to the side of the road where work must be done. There is also a "Priority and Description" column. The "Priority" column refers to three different priorities which are:

- Priority 1 - Work which should be completed as soon as possible.
- Priority 2 - Work which should be completed when existing signs are in need of maintenance.
- Priority 3 - Work that would be beneficial to the guidance of traffic, although if not completed, would not specifically affect traffic safety.

The quantity sheets show the number of signs by type and total number of signs by route. The total number of signs includes those signs which are needed and are not presently in place, replacement of existing signs, and signs requiring no change. The quantity sheets further list those signs which are in poor condition, signs which are obsolete, signs needed, and the total number of signs which must be replaced by type per route and by type county wide.

Signs

The recommendations referred to in the control devices inventory are based on the 1973 Michigan Manual of Uniform Traffic Control Devices.

Regulatory

A comprehensive study of traffic control devices on the Calhoun County Primary Road System has established a need for installation or maintenance of approximately 38 percent of the required regulatory signs. The primary reason for this deficiency was the lack of "STOP" (R1-1) signs, "YIELD" (R2-1) signs, Multiway Stop (R1-3) panels, Speed Limit (R2-1, R2-3a) signs, and "SPEED ZONE AHEAD" (R2-5c) signs, and lack of

maintenance of Railroad Crossbucks (R15-1) signs and Railroad Crossbuck Supplementary (R15-2) panels.

There are two locations along the inventoried route where speed control signs are in place, but not legal, due to the lack of necessary Traffic Control Orders. It is noted on the work sheets that all signs relating to these illegal speed restrictions be removed. However, if these speed control signs are necessary, the Calhoun County Road Commission should contact the Department of State Police and pursue the legal requirements for determining and establishing speed restrictions. The areas in question are:

F.A.S. 899 (20th Street) - from Columbia Avenue to Goguac Street (35 mph) (2 signs)

F.A.S. 916 (Helmer Road) - from Columbia Avenue to Territorial Road (35 mph) (2 signs)

Warning

The inventory indicates a need for installation of approximately 44 percent of the required warning signs. The most evident deficiency is the need for additional Turn (W1-1) signs, Target Arrows (W1-6) signs, Bi-Directional Target Arrows (W1-7) signs, "STOP AHEAD" (W3-1) signs, "YIELD AHEAD" (W3-2) signs, Advisory Speed (W13-1) panels, Type III Object Markers, School Advance (S1-1) signs and School Crossing (S2-1) signs.

The traffic control devices inventory also reveals a need for many Type III Object Marker panels at locations in Calhoun County where the clear roadway over a structure is less than 19 feet wide or where culverts or bridge railings are four feet or less from the pavement edge. It is permissible to use reflective liquids in place of the Type III Object Markers where the obstruction would not be hidden by weeds growing along the road. For the purpose of estimating costs, it is assumed that Calhoun County will use the Type III Object Markers at all locations.

Guide

The Guide signing in Calhoun County consists mainly of Street Name (D3-1) signs. Some of these Street Name signs are reflectorized.

The 1973 Michigan Manual states that Guide signing is required to have either a white legend on a green background or black legend on a white background. The cost estimate for Priority 3 work provides for replacement of County Road Direction and Advance Road Name signs to adhere to the correct color put forth in the Manual.

No-Passing Zones

It was noted that there were approximately 1,123 no-passing zones designated by signs and/or markings on the County Primary Road System. A no-passing zone is defined as a section of roadway having insufficient passing sight distance. It is recommended that, as time and resources of the County Road Commission permit, a field survey be completed on all sections of hard-surfaced roads where sight distances are restricted. Such a field survey should result in any necessary corrections being made to the limits of existing no-passing zones and the establishment of new zones where necessary.

After the field survey is completed, no-passing zones should be indicated by solid yellow lines applied along the limits established by the survey. Then "DO NOT PASS" (R3-17) and "PASS WITH CARE" (R3-18) signs may (at the option of the County Road Commission) be placed at the limits of the no-passing zones; however, when either of these signs are used, they shall both be erected.

Also, it should be noted that Public Act 224 of the Public Acts of 1971 refers to no-passing zones and states, in part, ". . .beginning January 1, 1973, a sign shall be placed to the left of the roadway on those portions of a highway WHERE ADDITIONAL NOTICE IS DEEMED NECESSARY". When left-side signs are placed in accordance with this legislation, they shall be "NO PASSING ZONE" (W14-3) signs.

Pavement Markings at Railroad Crossings

The approach pavement at several of the railroad crossings is not properly marked. The pavement marking in advance of a railroad crossing shall consist of an X, the letters RR, a no-passing marking, and certain transverse lines. They should be placed on all paved approaches to railroad crossings. These markings, if physically feasible, shall be placed at all grade crossings when railroad highway grade crossing signals or automatic gates are operating, and at all other crossings when the prevailing speed of highway traffic is 40 mph or greater.

The markings shall also be placed at crossings when engineering studies indicate there is a significant potential conflict between vehicles and trains. At minor crossings or in urban areas, these markings may be omitted if engineering study indicates that other devices installed provide suitable protection. Such marking shall be white except for the no-passing markings.

Cost Estimate

The cost estimate for acquiring necessary materials for the work shown on the work sheets, including labor costs involved in installing signs, installing supports, or straightening signs or supports, is as follows:

Priority 1	\$ 57,211.00
Priority 2	6,534.00
Priority 3	15,714.00

Date of Field Survey

The inventory of all the traffic control devices on the County Primary Road System in Calhoun County was completed in February, 1973. The results, including the work sheets and quantity sheets, are found in Appendix I.

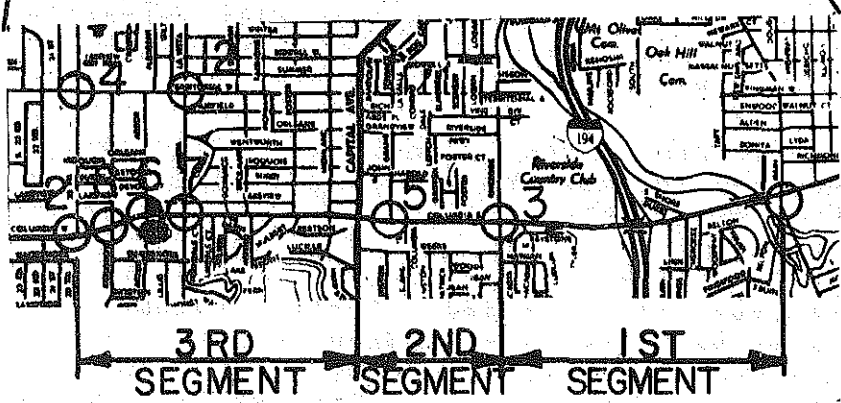
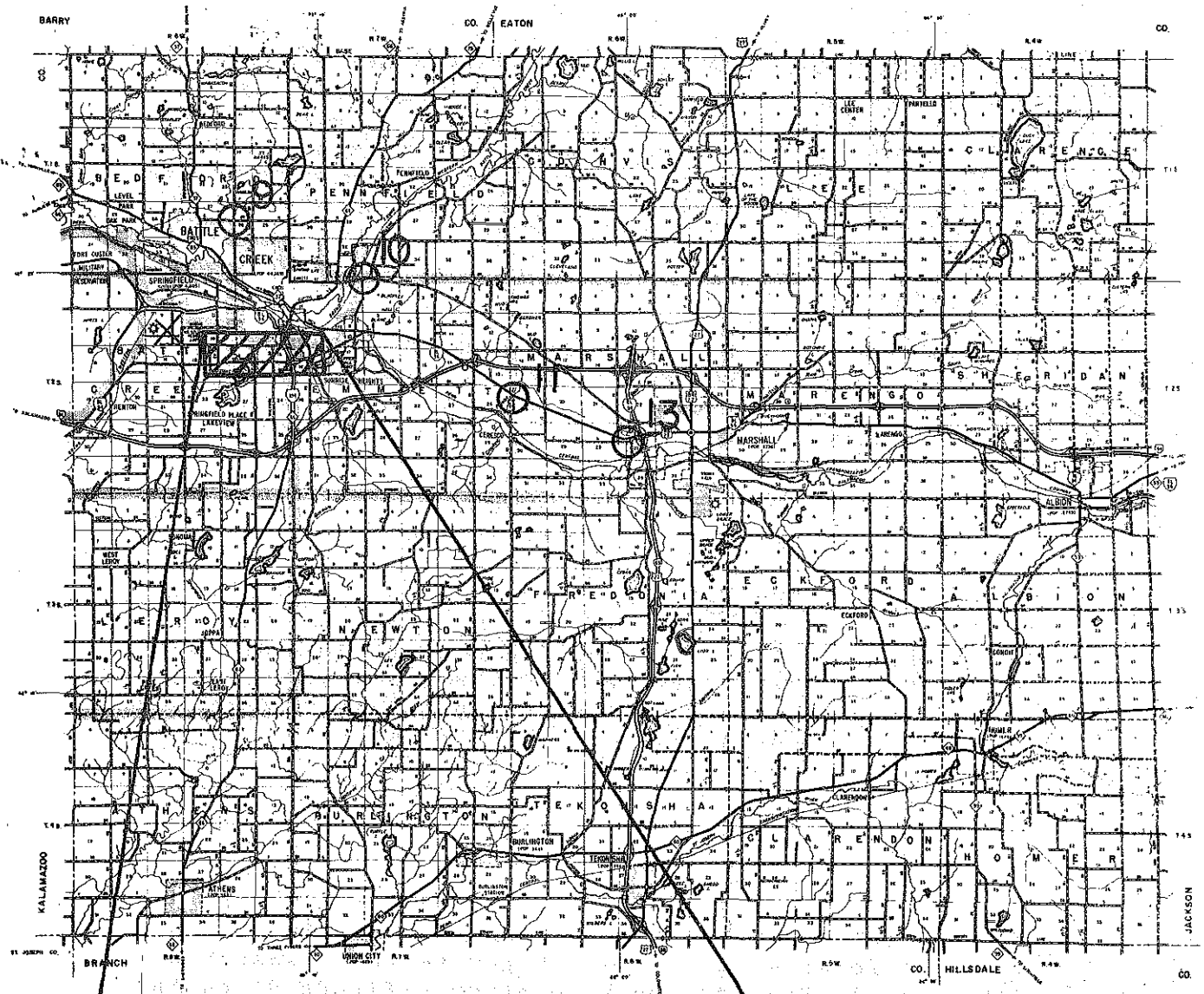
ACCIDENT ANALYSIS

Collection and Analysis of Data

The Department of State Police examined their records and transmitted to the Traffic and Safety Division of the Michigan Department of State Highways and Transportation a list of 13 high accident locations (Figure 3) on the county road system. An automated system of locating accidents on local roads has not yet been established on a statewide basis; therefore, the high accident locations for Calhoun County were determined by manually extracting and compiling those locations with the highest number of accidents from the 1970 county accident reports.

Once the problem locations were identified, additional accident information for the years 1969 and 1971 was compiled in order to expand the accident base at each location.

The 13 high accident locations accounted for 558 accidents during the three-year study period. Traffic volumes on the County Primary Road System in Calhoun County vary from moderate in outlying areas to heavy near the City of Battle Creek. It is understandable then that the high concentration of accidents will be in these areas (Figure 4).



SPOT MAP

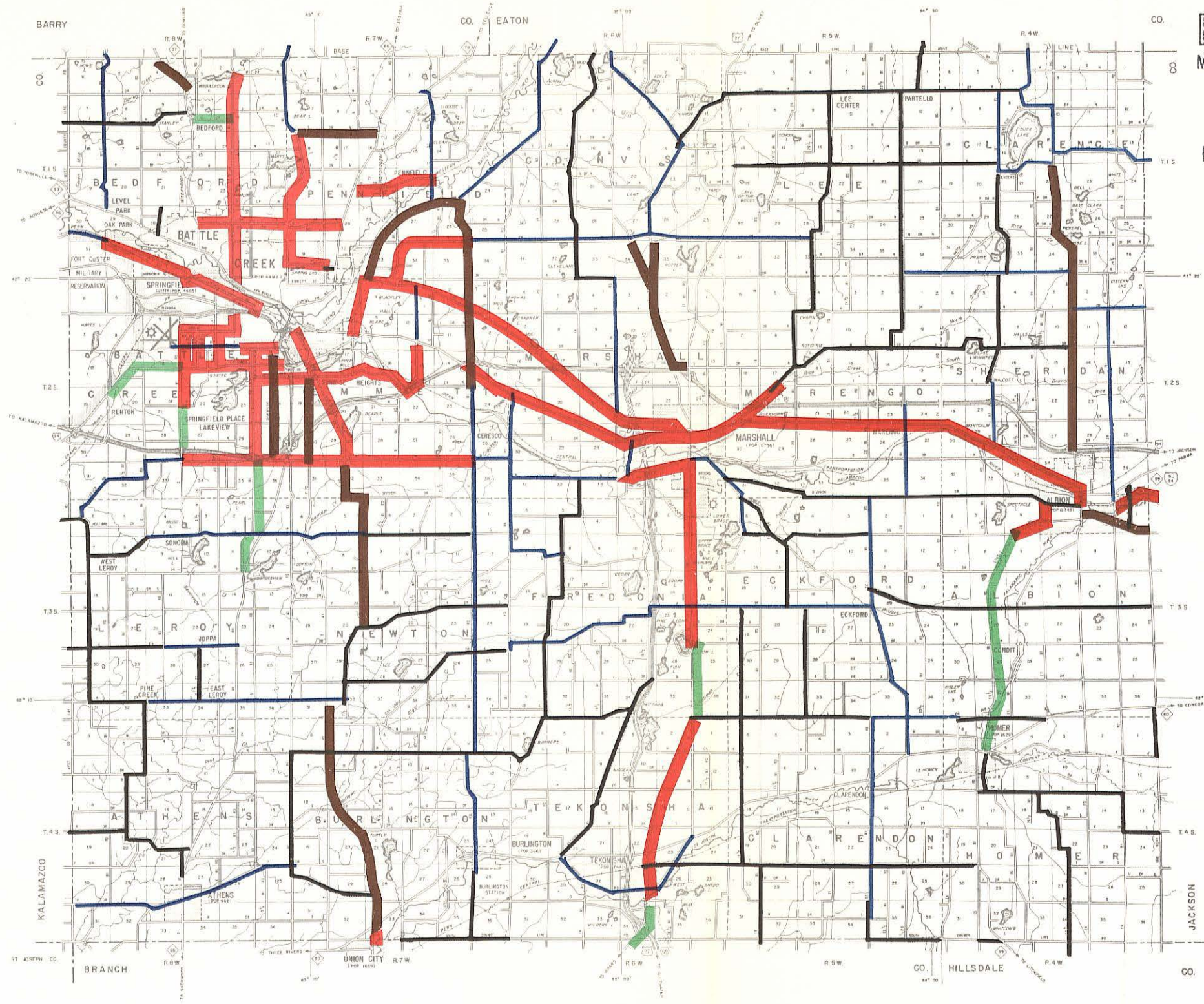
FIGURE 3

GENERAL HIGHWAY MAP
CALHOUN COUNTY
 MICHIGAN
 STATE HIGHWAY COMMISSION
 DEPARTMENT OF STATE HIGHWAYS

DATA OBTAINED FROM
 HIGHWAY PLANNING SURVEY
 CONDUCTED IN COOPERATION WITH
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 BUREAU OF PUBLIC ROADS

Scale 1:25,000
 1" = 2.5 MILES
 NAD 83 PROJECTION

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LEGEND	
	2000 - OVER
	1500 - 1999
	1000 - 1499
	500 - 999
	0 - 499

AVERAGE DAILY TRAFFIC MAP
 OF COUNTY PRIMARY ROADS
 IN CALHOUN COUNTY

CALHOUN COUNTY
 MICHIGAN
 STATE HIGHWAY COMMISSION
 DEPARTMENT OF STATE HIGHWAYS

DATA OBTAINED FROM THE HIGHWAY NEEDS STUDY COMPILED BY THE TRANSPORTATION PLANNING DIVISION, MICHIGAN DEPARTMENT OF STATE HIGHWAYS.

DATA OBTAINED FROM
 HIGHWAY PLANNING SURVEY
 CONDUCTED IN COOPERATION WITH
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 BUREAU OF PUBLIC ROADS
 SCALE 1" = 2.75 MILES
 POLYCONIC PROJECTION

BOUNDARIES AND CORPORATE LIMITS REVISED JANUARY 1964

The data collection, for which the Department of State Highways and Transportation is responsible, involves the following basic steps: 1) preparation of collision diagrams and, if necessary, physical condition diagrams for each selected location; and 2) obtaining traffic and speed study counts where necessary.

The analysis portion of the high accident location review involves the analysis of the summarized facts and field data from the viewpoint of a highway traffic engineer with special attention focused on the effect which the highway environment may have had on the accident. Thus, at each high accident location, individual accident reports were reviewed in detail and collision diagrams were prepared for each location in order to identify accident patterns and to locate the accident in relation to the intersection or approaches to the intersection. The analysis results in evaluating the total information and prescribing the proper treatment at each location.

County-Wide Recommendations

Traffic Signals

In Calhoun County five of the high accident locations were signalized intersections. At one of these intersections there is a single overhead vehicular signal head. The Michigan Manual states that a minimum of one overhead vehicular signal face per approach is required at any non-trunkline signalized location. However, the new Michigan Manual which will be issued in 1973 states that two signal faces shall be provided per approach at all signalized intersections; therefore, it is recommended that dual overhead signal heads be installed at this signalized intersection. Some reasons for this requirement are:

1. Two (or more) properly located overhead faces will in almost all cases provide drivers with a signal indication even though trucks or buses may momentarily obscure one signal face.
2. Multiple faces provide a safety factor where the signal must compete with a brilliant background such as advertising signs or the sun.
3. The occasional lamp failure in one face will not leave an approach without any signal indication.

While it may not be entirely feasible to purchase signal heads to upgrade this location at the present

time, it is recommended that Calhoun County program their future budget for an additional signal head for this location and all other non-trunkline (e.g. 20th Street at Goguae Street) locations with only one signal head.

Capacity Analysis

Calhoun County should consider the accident problem that develops due to the lack of capacity at locations on major roadways throughout the county. Accidents generally occur at those locations where turning movements and improper signalization create undue traffic delays.

Field observation revealed that a few signalized locations in Calhoun County had only one lane per approach. When an intersection is signalized there often develops a need for additional intersection capacity. If the approaches have a single lane, then turning vehicles may cause extensive delay to other traffic on the same approach. A left turn may be delayed by opposing traffic or pedestrians in the crosswalk. A right turn can be held up due to pedestrians in the crosswalk. In both cases other traffic will be held up in the same lane, until the turn can be completed.

A second lane will allow bypassing of vehicles stopped or slowing to make turns, and will reduce unnecessary delays even if not actually needed for capacity. This additional lane will aid in the overall operation of the intersection, by allowing more vehicles to negotiate the intersection per signal cycle. Additional width is also necessary on the leaving side as much as the approach side of the intersection to promote movement through the intersection.

In order to substantiate the need for added capacity at those locations along the major roadways in Calhoun County, a capacity analysis was made for these locations using the methods defined in the 1965 Highway Capacity Manual. This analysis indicates that additional lanes should be provided to promote orderly movement of traffic and to increase capacity at Locations 1, 2, 4, 6, 7, 8 and 10.

Clear Vision Areas

In order to provide ample sight distance at intersections, the corners of these intersections must not be overgrown with foliage nor have other obstructions. Although sometimes buildings or other permanent obstacles create inadequate visibility, most of the time removable objects such as trees, signs, or parked vehicles prohibit adequate sight distances. It is therefore recommended that Calhoun County not only establish a program to create clear vision corners at all intersections, but also begin a maintenance program to insure that all corners are kept clear of obstacles.

Skidometer Testing

A technique used to determine whether a skidometer test is necessary involves the number of wet pavement accidents at a location. Method #1 involves subtracting the snow and ice accidents from the total accidents over the study period. If the wet pavement accident percentage is more than 40 percent of this new total, skidometer tests should be recommended. In Method #2, if the wet accidents are more than 27 percent of the total accidents at a location over the study period, then skidometer tests should be recommended. If either method is satisfied, then skidometer tests should be conducted at the location. Since Locations 1 and 3 surpass the requirements for skidometer testing, it is recommended that skidometer tests be conducted at each of these locations. These tests can be obtained by contacting the Michigan Department of State Highways and Transportation, Testing and Research Division.

Estimated Costs

Since final construction plans are not available, in estimating the construction costs the lump sum of \$5.00 per square foot has been used. The costs for all other recommendations are based on Department unit prices and using Department personnel for the work.

High Accident Locations

This report will discuss in detail 13 high accident locations in Calhoun County. Collision diagrams, photographs and condition diagrams have been prepared for each location. The high accident locations along Columbia Avenue

will be discussed first. The high accident locations are as follows:

<u>No.</u>	<u>Description</u>	<u>No. Accidents</u>
1	Columbia Avenue at Main Street	101
2	Columbia Avenue at 20th Street	86
3	Columbia Avenue at Riverside Drive	58
4	Territorial Road at 20th Street	48
5	Columbia Avenue at Grand Boulevard	46
6	Columbia Avenue at Arbor Road	42
7	Columbia Avenue at LaVista Boulevard	37
8	Columbia Avenue at Woodrow Avenue	35
9	North Avenue at Morgan Road	27
10	Emmett Street at Raymond Road	21
11	Michigan Avenue at 12 Mile Road	19
12	Territorial Road at LaVista Boulevard	19
13	Michigan Avenue, 15 Mile Road and C Drive N	18

COLUMBIA AVENUE, CALHOUN COUNTY

33 M.P.H.

43 M.P.H.

CYCLE LENGTH = 70 SEC.

280 400%

245 350%

210 300%

175 250%

140 200%

105 150%

70 100%

35 50%

0 0%

20TH STREET

CAPITOL AVE

RIVERSIDE DR

MAIN STREET

64-36

30-70

80-40

58-42

53%

86%

1%

0%

5280

2640

5280

TIME-SPACE

DIAGRAM

FIGURE 5

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ROADWAYS

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SCALE: 1" = 1000 FT.

DATE: 09-27-73

COLUMBIA AVENUE

This route includes: Locations #1, 2, 3, 5, 6, 7, 8

In Calhoun County there is one arterial route, Columbia Avenue, on which a majority (seven of thirteen) of the high accident locations are located. It would be beneficial if these locations were discussed collectively (Figure 3). Columbia Avenue is divided into three segments. The first segment is from Main Street west to Riverside Drive, the second from Riverside Drive to Capital Avenue, and the third from Capital Avenue to 20th Street. The criteria used in separating these segments is the roadway width. Columbia Avenue, from Main Street to Riverside Drive and from Capital Avenue to 20th Street, operates with four lanes of moving traffic, and the segment in between has five lanes of moving traffic with a center lane for left turns.

The overall recommendations for this length of roadway are that the signals along Columbia Avenue should be interconnected. A time-space diagram (Figure 5) has been prepared for Columbia Avenue between 20th Street and Main Street. The cycle length used is 70 seconds with a yellow clearance interval of six percent (4.2 seconds). The progressive speed used is 33 mph between 20th Street and Riverside Drive and 43 mph between Riverside Drive and Main Street. By using this diagram, progression can be provided along Columbia Avenue. The segment between Capital Avenue and 20th Street should, due to the commercial activity along this section of the route, be widened by construction to include a center lane for left turns. It is also recommended that overhead Lane-Use Control signs be used on all approaches to signalized intersections along Columbia Avenue.

COLUMBIA AVENUE AT MAIN STREET

Operational Analysis:

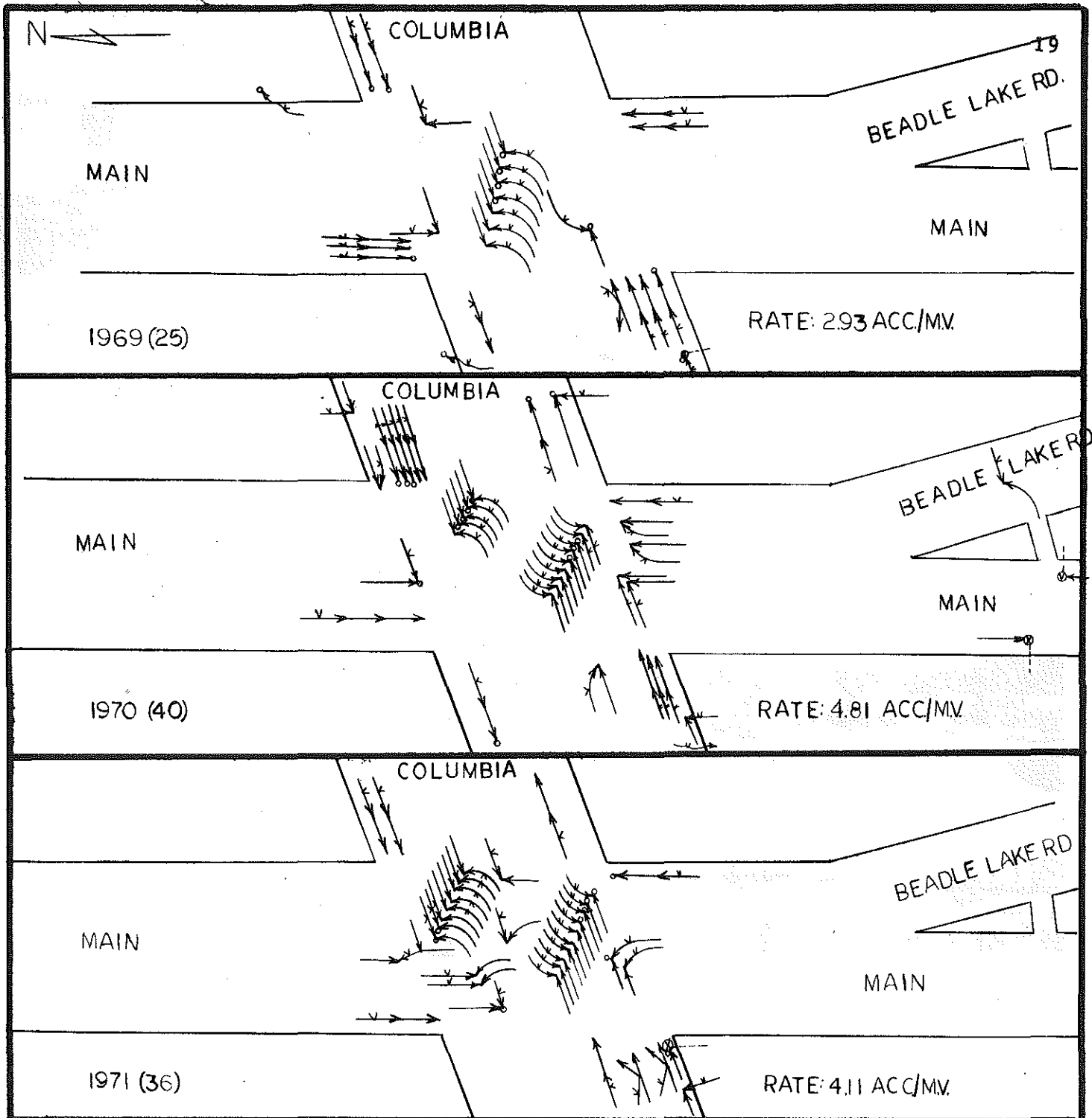
Columbia Avenue intersects Main Street to form a right-angle intersection operating under traffic signal control. The right-of-way assignment is based on a 55 second cycle with a 58-42 percent split favoring Columbia Avenue and yellow clearance intervals of eight percent (4.4 seconds) are provided. This signal is not coordinated with other signalized intersections along Columbia Avenue.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Head On-Left Turn				
Columbia Avenue	8	14	18	40
Main Street	--	1	2	3
Rear End				
Columbia Avenue	6	10	4	20
Main Street	5	2	2	9
Right Angle	2	6	4	12
Sideswipe	1	--	4	5
Turning	--	4	1	5
Misc.	3	3	1	7
	<hr/>	<hr/>	<hr/>	<hr/>
Total	25	40	36	101

There were 36 accidents which occurred on wet pavement. The miscellaneous types include three ran off roadways, three pedestrians, and one deer accident. The accident rate at this intersection was 4.0 acc/MV for the study period.

Since the left turn lanes are not aligned, a visibility problem has developed as vehicles turning left off Columbia Avenue are unable to see around other vehicles turning left in the opposing lane.



LEGEND

Stop & Go Signal		Stop Sign	S	T
Flashing Beacon		Yield Sign	Y	T
Fatal		Pedestrian		
Injury		Tree		
Skidding		Out of Control		
Jackknife		Driver Intent		
Overtaken		Deer		
Backing		Violator		

**MICHIGAN DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION**

Location COLUMBIA AT MAIN
CALHOUN CO.

FIGURE 6

Period: 1969 THRU 1971	3.95 ACC/MV
Accidents - Total 101	P.D. 66
Injury 35 ()	Fatal 1 ()
C.S. _____ Miles	Drawn DJM
Plan No. LOCATION 1	Date 8-24-73

NORTHBOUND
BEADLE LAKE ROAD



WESTBOUND
COLUMBIA AVENUE



SOUTHBOUND
BEADLE LAKE ROAD

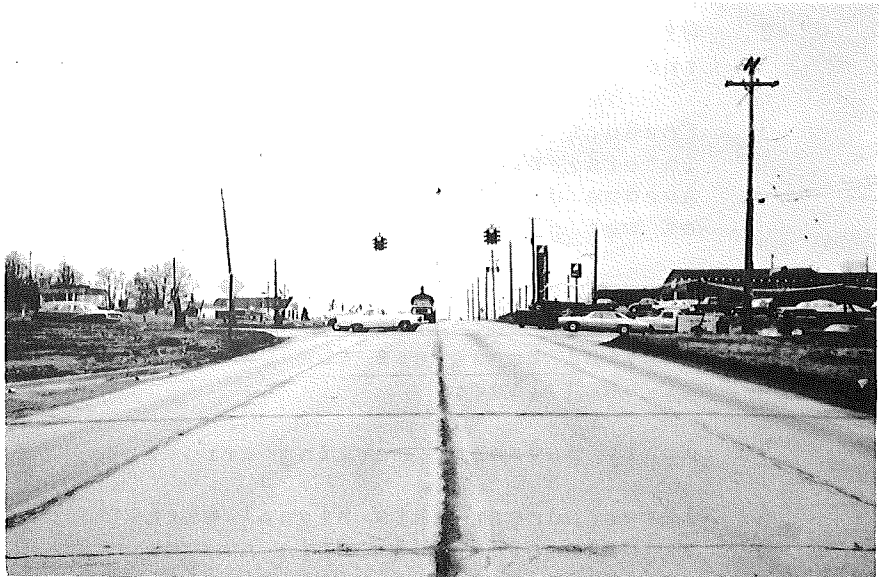


FIGURE 7



NORTHBOUND
MAIN STREET

EASTBOUND
COLUMBIA AVENUE

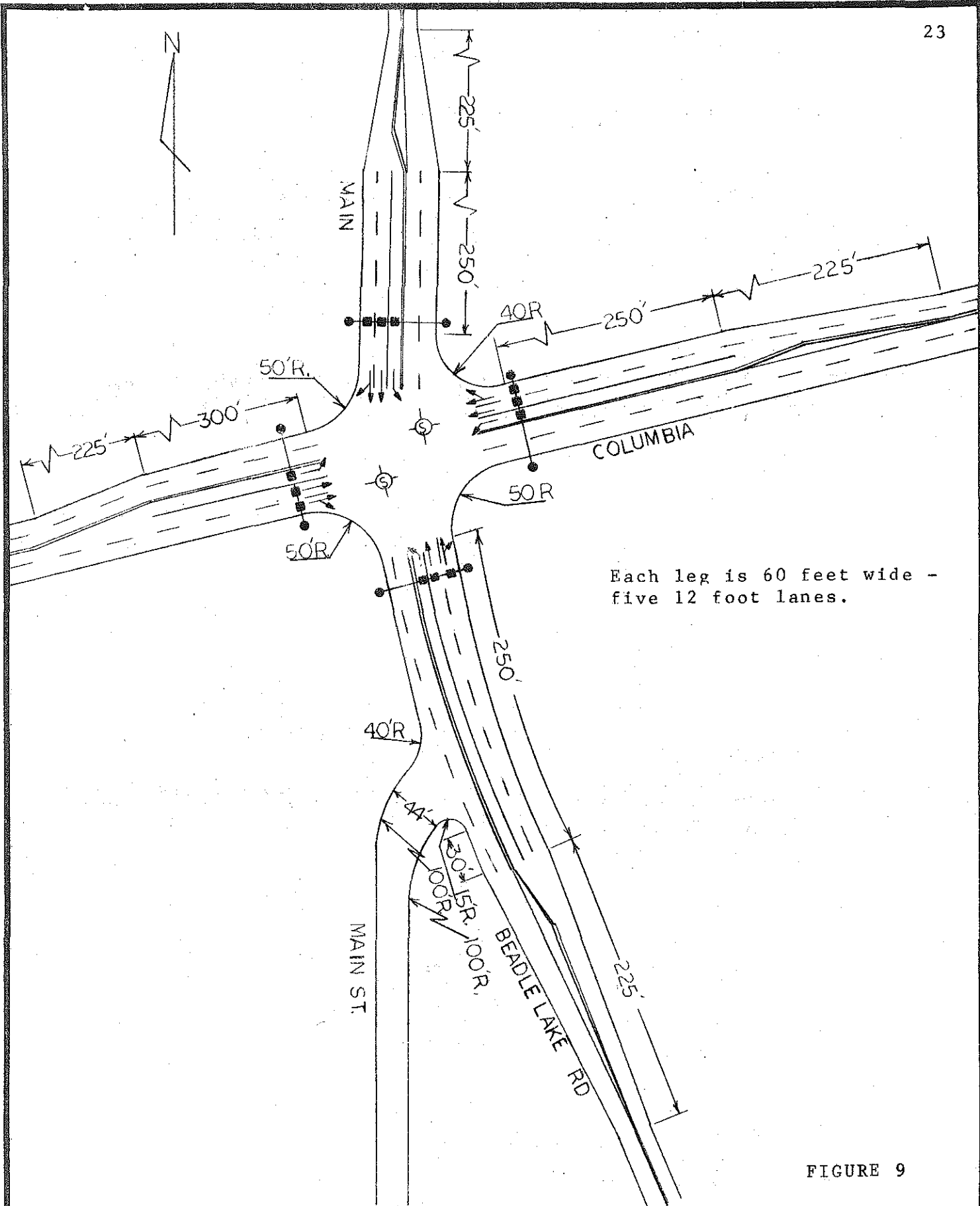


SOUTHBOUND
MAIN STREET

FIGURE 8

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Cost</u>
1. Construct a center left turn lane for Columbia Avenue to alleviate the left turn problem.	\$ 54,250.00
2. Widen the north and south legs of the intersection to five lanes.	94,370.00
3. Conduct skidometer tests of the intersection approaches on Columbia Avenue due to the large amount of wet pavement accidents.	250.00
4. Erect overhead Lane-Use control signs on each leg of the intersection to stress the function of each lane.	8,190.00
5. Apply pavement marking arrows.	200.00
6. Interconnect this signal with signals along Columbia Avenue and coordinate timing as per time space diagram (Figure 5).	978.00
	<hr/> \$ 158,238.00



Each leg is 60 feet wide -
five 12 foot lanes.

FIGURE 9

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.	DRAWN
	CONT. SEC.	DATE
	REF.	SCALE
	SHEET OF	PLAN

PROPOSED INTERSECTION
APPROACH DIAGRAM

COLUMBIA AVENUE AT 20TH STREET

Operational Analysis:

Columbia Avenue intersects 20th Street to form a "T" intersection operating under traffic signal control. The right-of-way assignment is based on a 65 second cycle with a 64-36 percent split favoring Columbia Avenue and yellow clearance intervals of six percent (3.9 seconds) are provided. This signal operation is not coordinated with other signals along Columbia Avenue or 20th Street.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Rear End				
Columbia Avenue	11	10	9	30
20th Street	5	6	7	18
Right-Angle	7	4	6	17
Turning	4	2	9	15
Sideswipe	1	3	2	6
	<hr/>	<hr/>	<hr/>	<hr/>
Total	28	25	33	86

Twenty-five of the total accidents and 15 of the rear end collisions occurred on wet pavement. The accident rate at this intersection was 3.4 acc/MV for the three year study period.

The one lane approach on 20th Street is the primary reason for the lack of capacity at this intersection and for the large amount of rear end collisions.

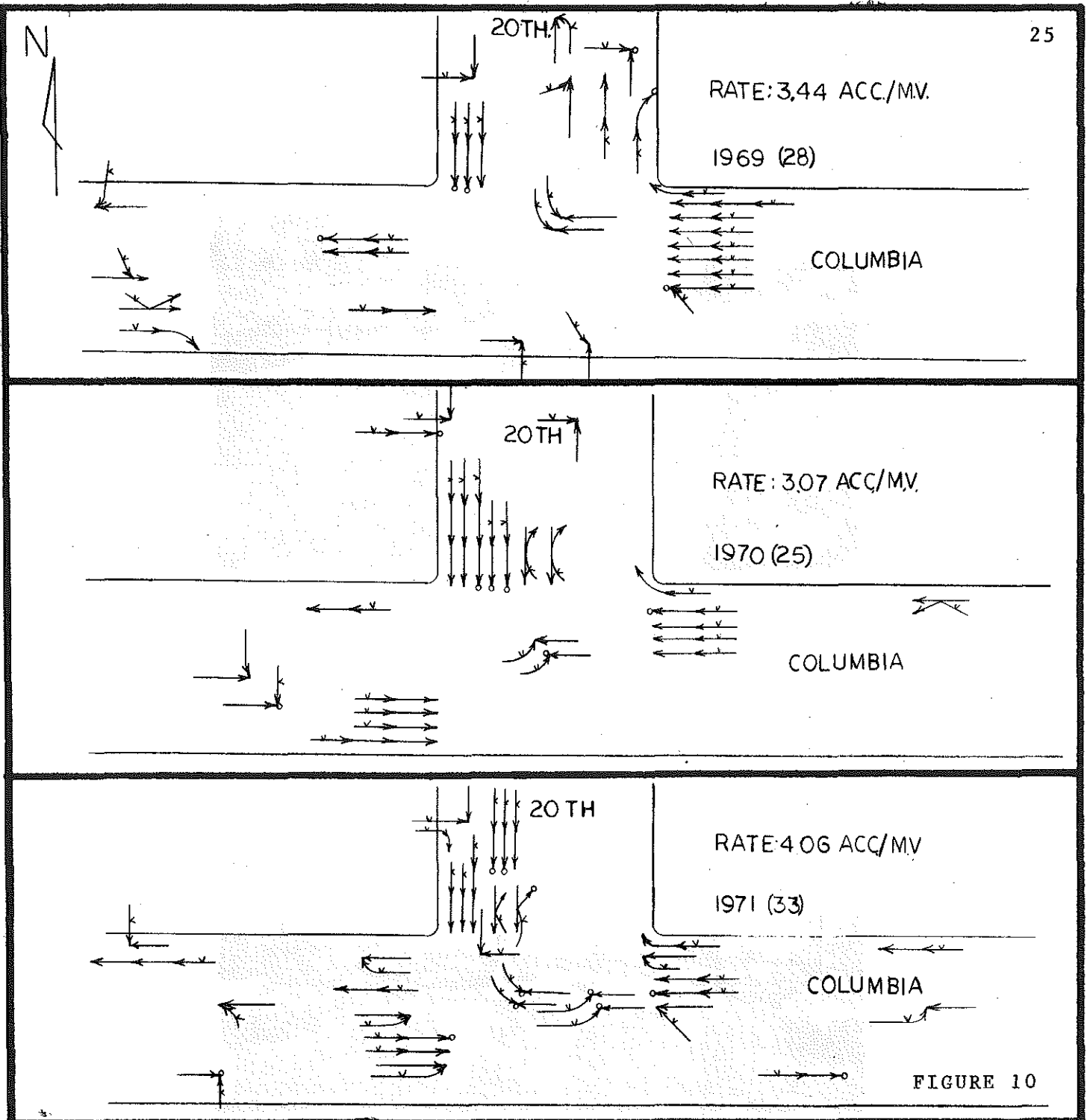


FIGURE 10

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal	Stop Sign	Location COLUMBIA AT 20TH, CALHOUN CO	
Flashing Beacon	Yield Sign		
Fatal	Pedestrian	Period: 1969 THRU 1971	3.53 ACC/MV.
Injury	Tree	Accidents - Total 86	P.D. 63
Skidding	Out of Control	Injury 23 ()	Fatal 0 ()
Jackknife	Driver Intent	C.S. _____	Miles _____
Overturned	Deer	Drawn DJM	
Backing	Violator	Plan No. LOCATION 2	Date 8-22-73



EASTBOUND COLUMBIA AVENUE



WESTBOUND COLUMBIA AVENUE



NORTHBOUND 20TH STREET



SOUTHBOUND 20TH STREET

FIGURE 12

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Cost</u>
1. Widen 20th Street to five lanes to provide a three lane approach to the intersection in an effort to improve capacity.	\$ 63,725.00
2. Install a green arrow for the right turn lane on westbound Columbia Avenue to facilitate right turn movements on a continual basis. Allow a two percent delay in activating this green arrow to permit the clearance of the left turns from eastbound Columbia Avenue.	60.00
3. Erect overhead Lane-Use Control signs on the north and east legs to identify the function of each lane.	6,143.00
4. Apply pavement marking arrows.	280.00
5. Interconnect this signal with others on both 20th Street and Columbia Avenue as per the time-space diagram (Figure 5).	910.00
	<hr/>
	\$ 71,118.00

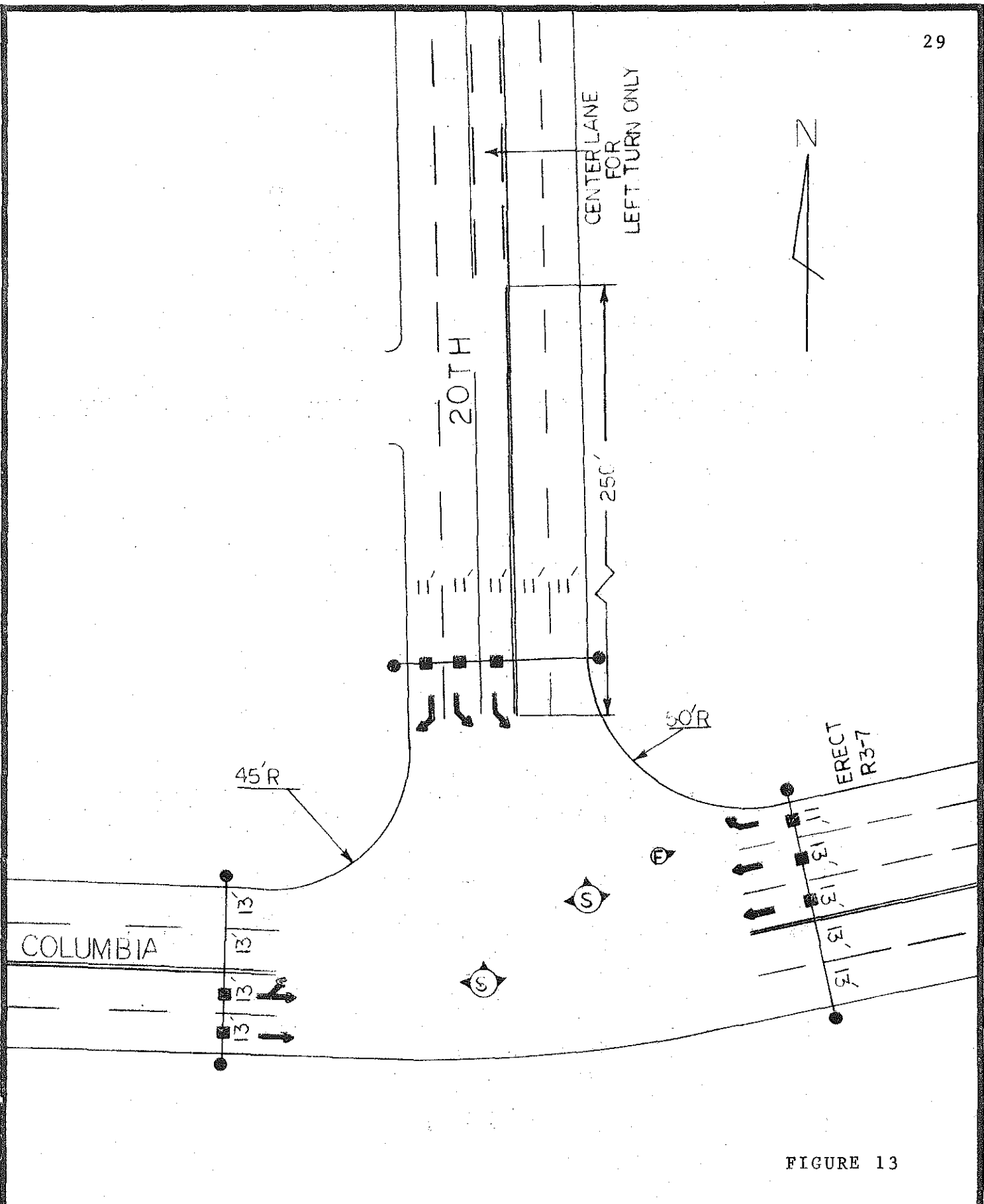


FIGURE 13

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

PROPOSED INTERSECTION
APPROACH DIAGRAM

COLUMBIA AVENUE AT RIVERSIDE DRIVE

Operational Analysis:

Columbia Avenue intersects Riverside Drive to form a right-angle intersection operating under traffic signal control. The right-of-way assignment is based on a 60 second cycle with a 60-40 percent split favoring Columbia Avenue and yellow clearance intervals of five percent (3.0 seconds) are provided. This signal's operation is not coordinated with other signals along Columbia Avenue.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Head On-Left Turn				
Columbia Avenue	12	6	2	20
Riverside Drive	--	1	1	2
Rear End				
Columbia Avenue	6	3	7	16
Riverside Drive	--	1	3	4
Right Angle	1	2	2	5
Misc.	3	2	4	9
	<hr/>	<hr/>	<hr/>	<hr/>
Total	22	15	19	56

Twenty of the accidents occurred on wet pavement. The miscellaneous types include four sideswipes, two improper turns, two ran off roadways and one pedestrian accident. The accident rate at this intersection was 1.7 acc/MV during the study period.

A critical aspect of this intersection is that the left turn lanes are not aligned which creates a visibility problem for vehicles turning left. There is a lack of capacity at this intersection due to only one lane of thru traffic on Columbia Avenue.

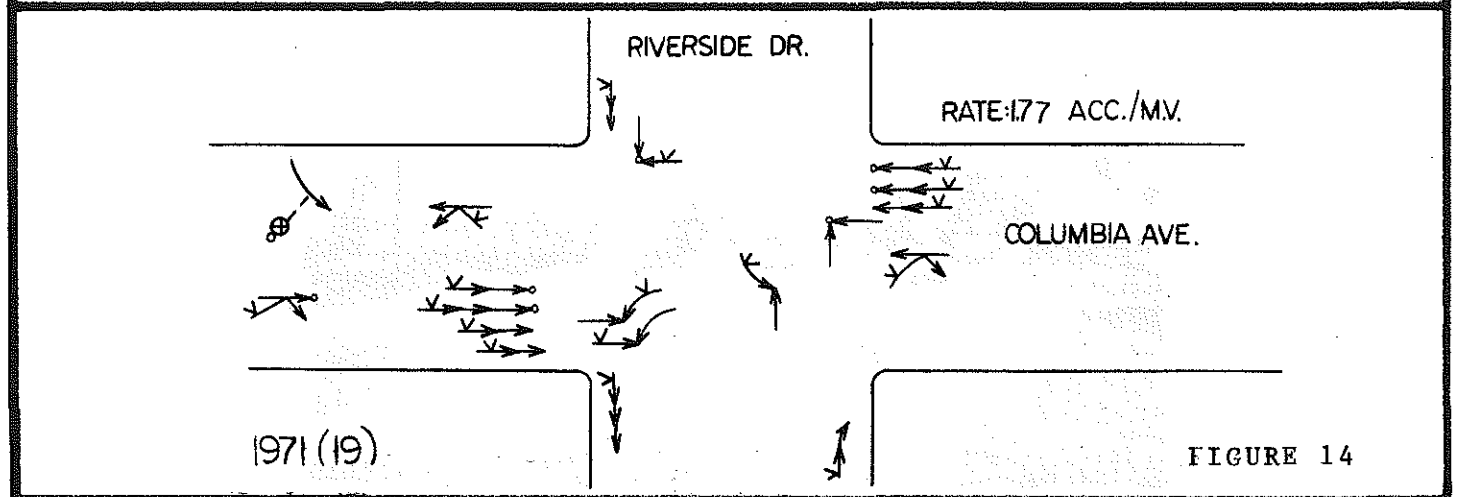
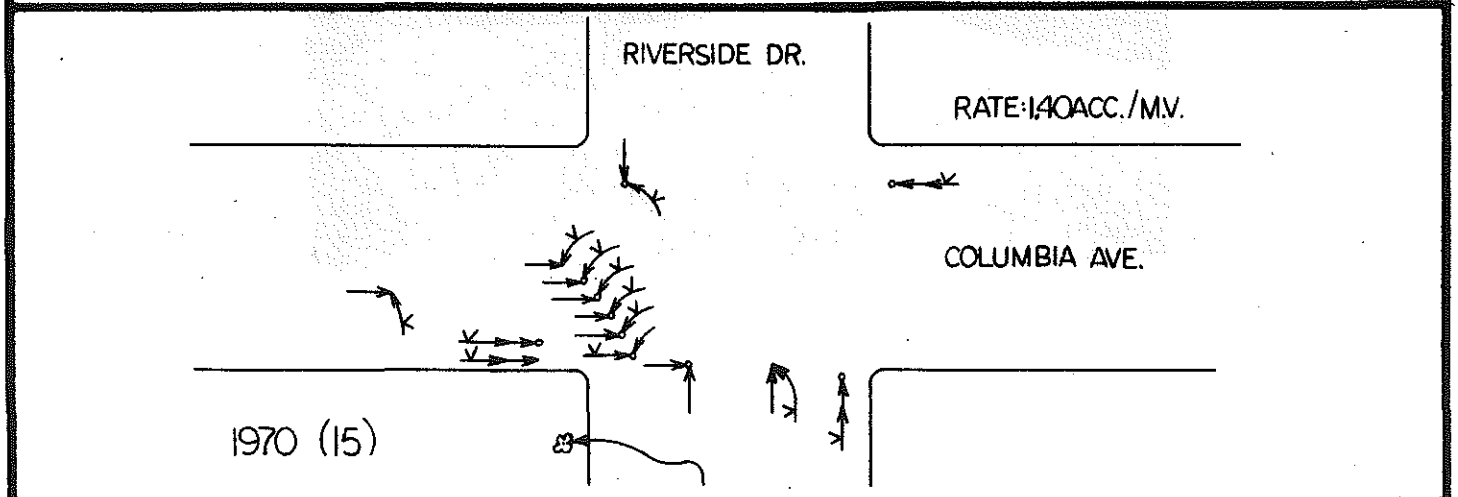
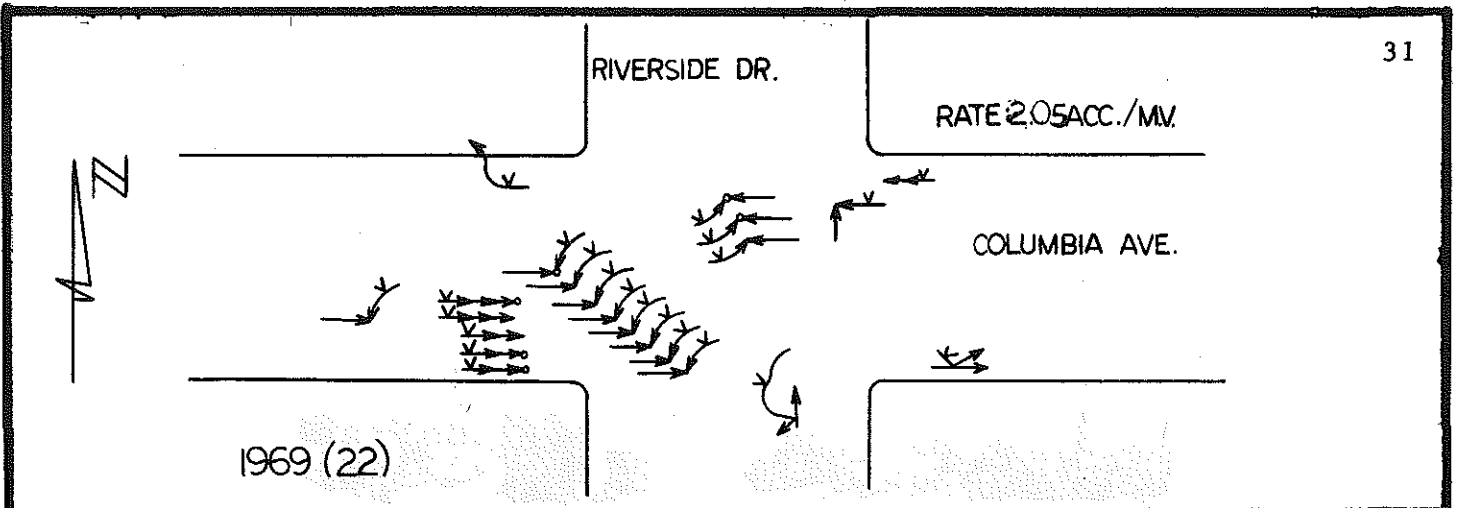


FIGURE 14

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal		Stop Sign	S T
Flashing Beacon		Yield Sign	Y T
Fatal		Pedestrian	
Injury		Tree	
Skidding		Out of Control	
Jackknife		Driver Intent	
Overturned		Deer	
Backing		Violator	
		Location	COLUMBIA AVE. at RIVERSIDE DR. BATTLE CREEK TWP. CALHOUN CO.
		Period:	1969 THRU 1971 1.74 ACC./MV.
		Accidents - Total	56 P.D. 32
		Injury	24 () Fatal 0 ()
		C.S.	Miles Drawn DVW
		Plan No.	LOCATION 3 Date



EASTBOUND COLUMBIA AVENUE



WESTBOUND COLUMBIA AVENUE

FIGURE 15



NORTHBOUND RIVERSIDE DRIVE



SOUTHBOUND RIVERSIDE DRIVE

FIGURE 16

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Align the left turn lanes on Columbia Avenue with lane markings.	\$ 100.00
2. Change the function of the right turn only lane on eastbound Columbia Avenue to a right-thru lane to improve the capacity at this intersection.	25.00
3. Erect overhead Lane-Use control signs on the east and west approaches of Columbia Avenue to stress the function of each lane.	8,159.00
4. Apply pavement marking arrows.	420.00
5. Conduct skidometer tests on the intersection approaches on Columbia Avenue due to the large amount of wet pavement accidents.	250.00
6. Interconnect this signal with signals along Columbia Avenue and coordinate as per the time-space diagram (Figure 5).	910.00
	\$ 9,864.00

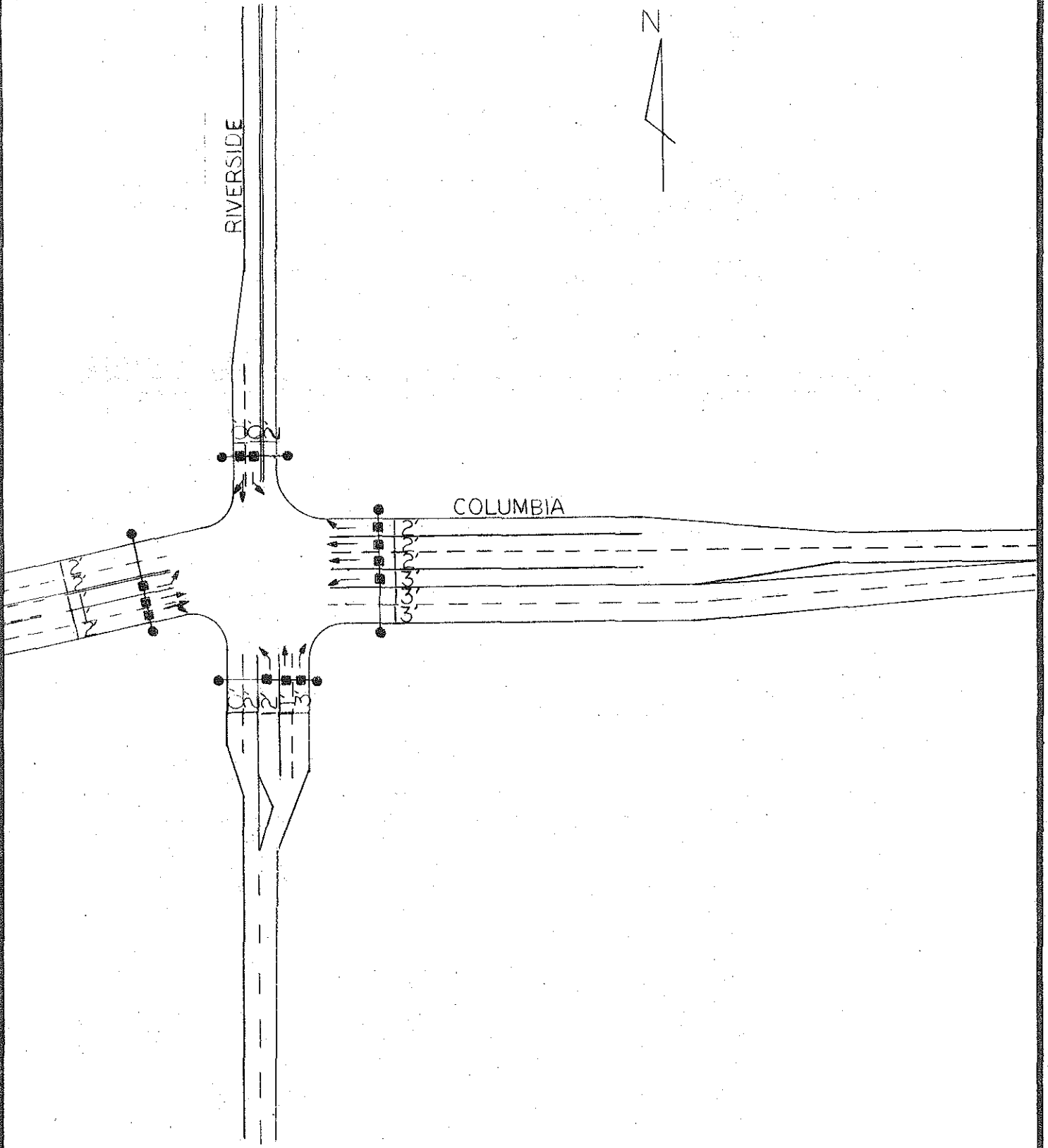


FIGURE 17

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.	DRAWN DJM
	CONT. SEC.	DATE 8-24-73
	REF.	SCALE 1"=100'
	SHEET OF	PLAN

Proposed changes in pavement markings for the east leg of Columbia to align the left turn lanes on Columbia Avenue.

COLUMBIA AVENUE AT GRAND BOULEVARD

Operational Analysis:

Columbia Avenue intersects Grand Boulevard to form a "T" intersection. Grand Boulevard operates under stop control (30 in. stop sign). Located directly across from Grand Boulevard is a drive opening servicing a shopping center. There are two other drive openings located east and west of the Grand Boulevard opening.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Right Angle	4	6	9	19
Turning	5	5	1	11
Rear End Columbia Avenue	3	2	1	6
Misc.	4	2	4	10
	<hr/>	<hr/>	<hr/>	<hr/>
Total	16	15	15	46

The miscellaneous types include four head on-left turns, three sideswipes, two improper backings and one ran off roadway accident.

The driveway opening servicing the shopping center contributes to the right angle accident problem at this location.

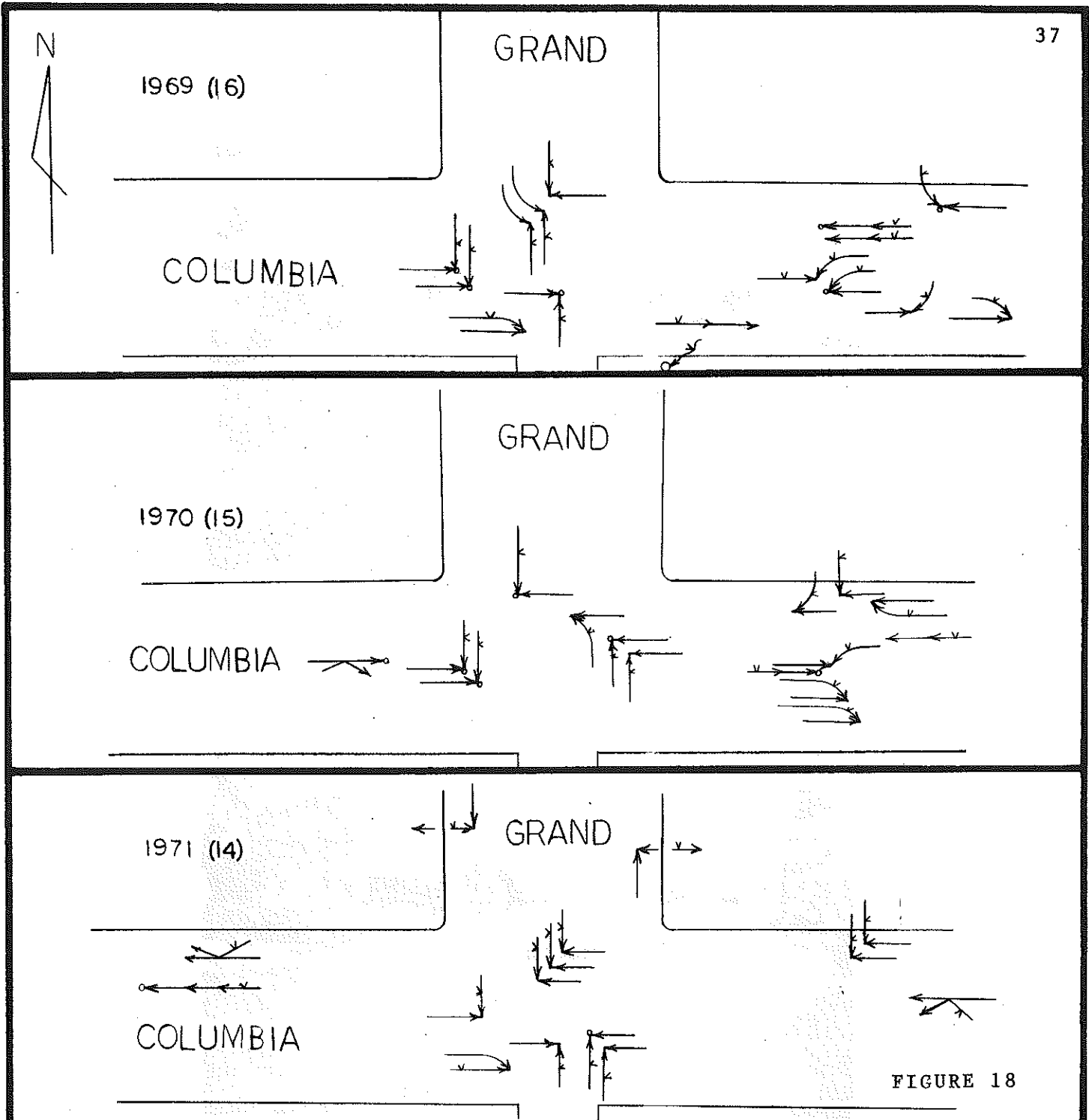


FIGURE 18

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal		Stop Sign	S T
Flashing Beacon		Yield Sign	Y T
Fatal		Pedestrian	
Injury		Tree	
Skidding		Out of Control	
Jackknife		Driver Intent	
Overturned		Deer	
Backing		Violator	
		Location	COLUMBIA AT GRAND CALHOUN CO.
		ACC. RATES NOT AVAILABLE	
		Period:	1969 THRU 1971
		Accidents - Total	46 P.D. 31
		Injury	15 () Fatal 0 ()
		C.S.	Miles _____ Drawn DJM
		Plan No.	LOCATION 5 Date 9-7-73



EASTBOUND COLUMBIA AVENUE



WESTBOUND COLUMBIA AVENUE

FIGURE 19



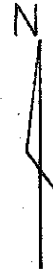
NORTHBOUND GRAND BLVD.



SOUTHBOUND GRAND BLVD.

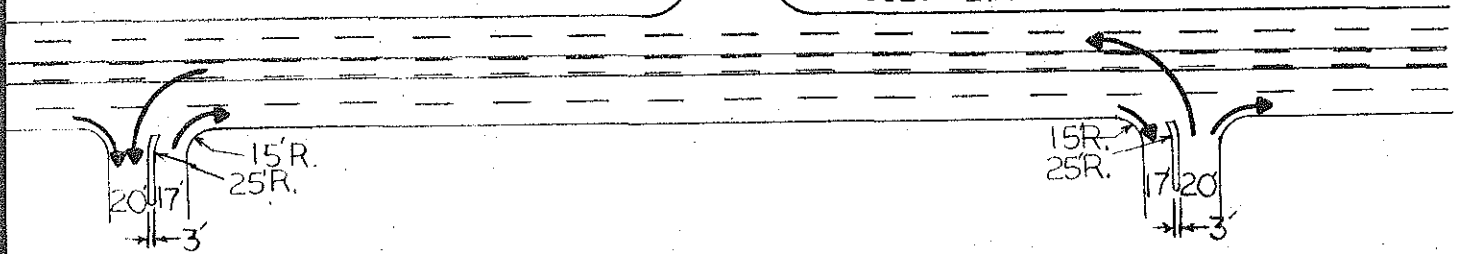
RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Close the drive opening directly across from Grand Boulevard in order to reduce the right-angle accidents.	\$ 164.00
2. Operate the east and west drive openings as directional drives. This can be accomplished by using curbing to direct the flow of traffic.	1,115.00
	<hr/>
	\$ 1,279.00



GRAND

COLUMBIA



SHOPPERS
FAIR

FIGURE 21

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

PROPOSED INTERSECTION
DIAGRAM

COLUMBIA AVENUE AT ARBOR ROAD

Operational Analysis:

Columbia Avenue intersects Arbor Road to form a right-angle intersection. Arbor Road operates under stop control (two 24 in. stop signs).

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Rear End				
Columbia Avenue	4	1	2	7
Arbor Road	--	2	3	5
Turning	1	2	5	8
Right Angle	2	3	1	6
Head On-Left Turn				
Columbia Avenue	1	1	3	5
Misc.	1	2	1	4
	<hr/>	<hr/>	<hr/>	<hr/>
Total	9	11	15	35

The miscellaneous accidents include two sideswipes, one ran off roadway and one improper backing accident.

A substantial amount (22) of accidents that occurred at this location were non-intersection related.

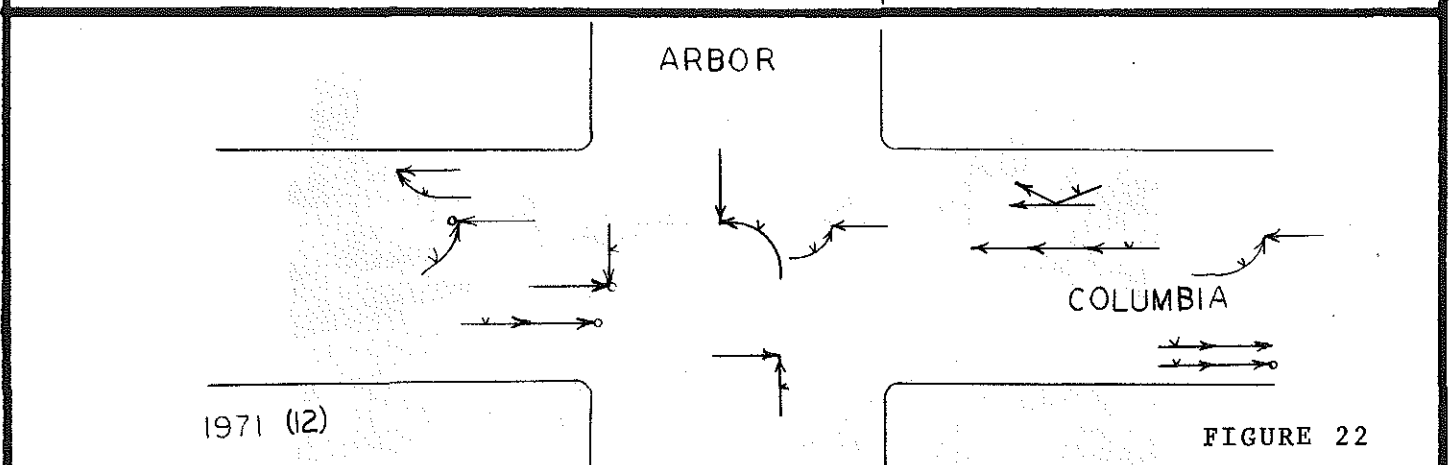
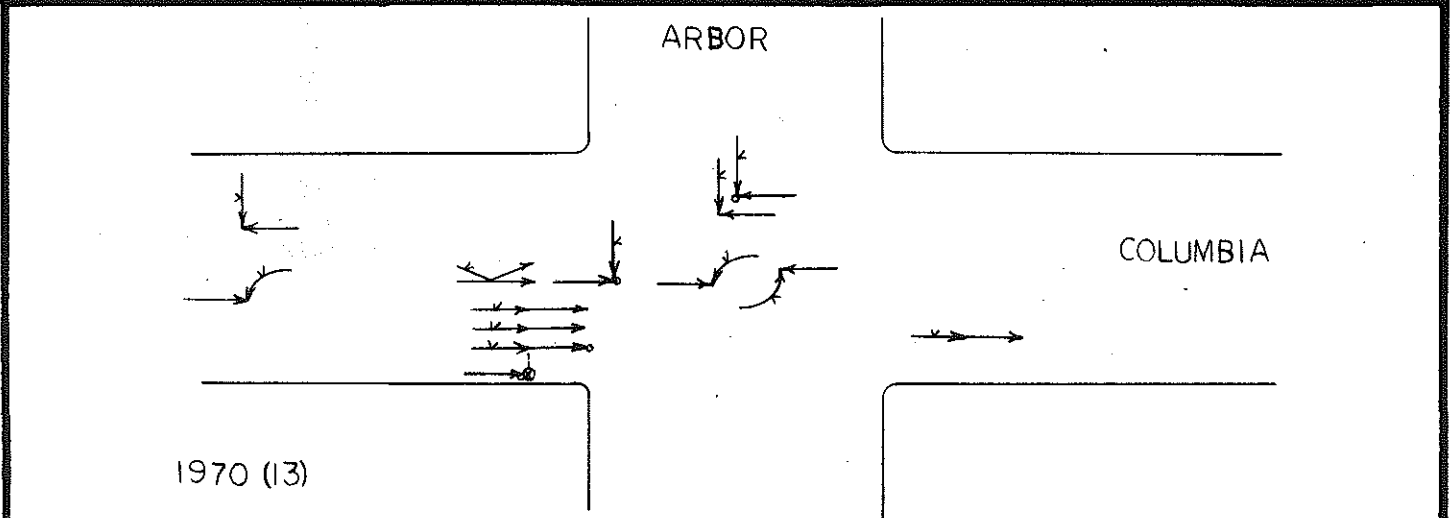
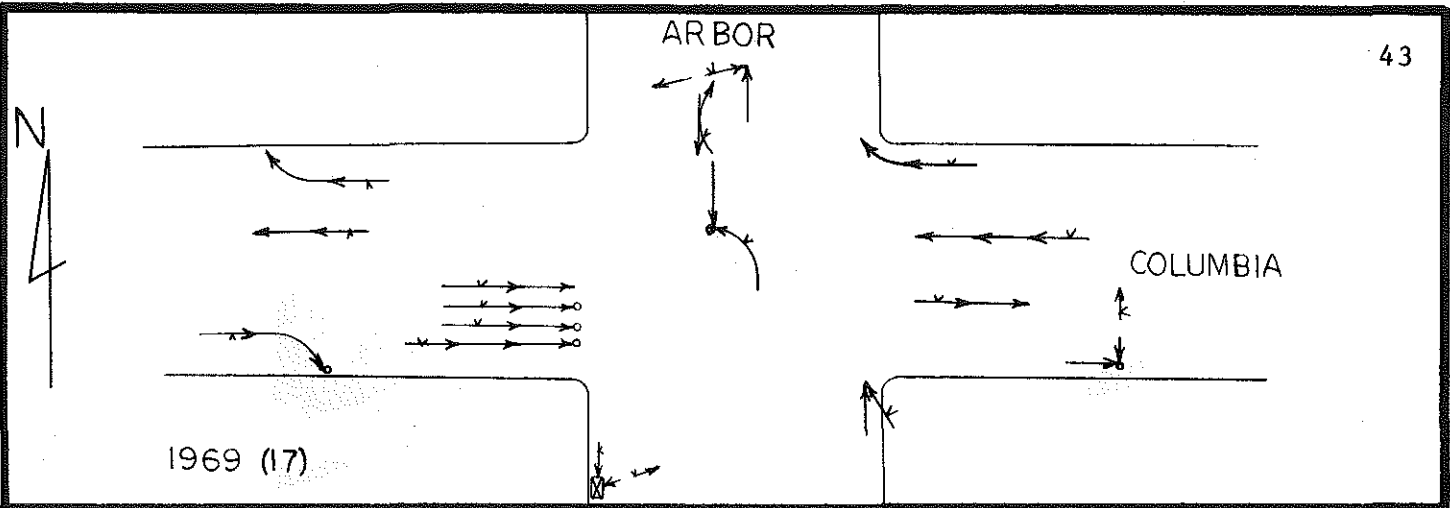





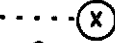












FIGURE 22

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal 	Stop Sign S 	Location COLUMBIA AT ARBOR CALHOUN CO.	
Flashing Beacon 	Yield Sign Y 		
Fatal 	Pedestrian 	Period: 1969 THRU 1971	
Injury 	Tree 	Accidents - Total <u>42</u> P.D. <u>28</u>	
Skidding 	Out of Control 	Injury <u>14</u> () Fatal <u>0</u> ()	
Jackknife 	Driver Intent 	C.S. _____ Miles _____ Drawn <u>DJM</u>	
Overtaken 	Deer 	Plan No. <u>LOCATION 6</u> Date <u>9 11-73</u>	
Backing 	Violator 		



EASTBOUND COLUMBIA AVENUE



WESTBOUND COLUMBIA AVENUE

FIGURE 23



NORTHBOUND ARBOR ROAD



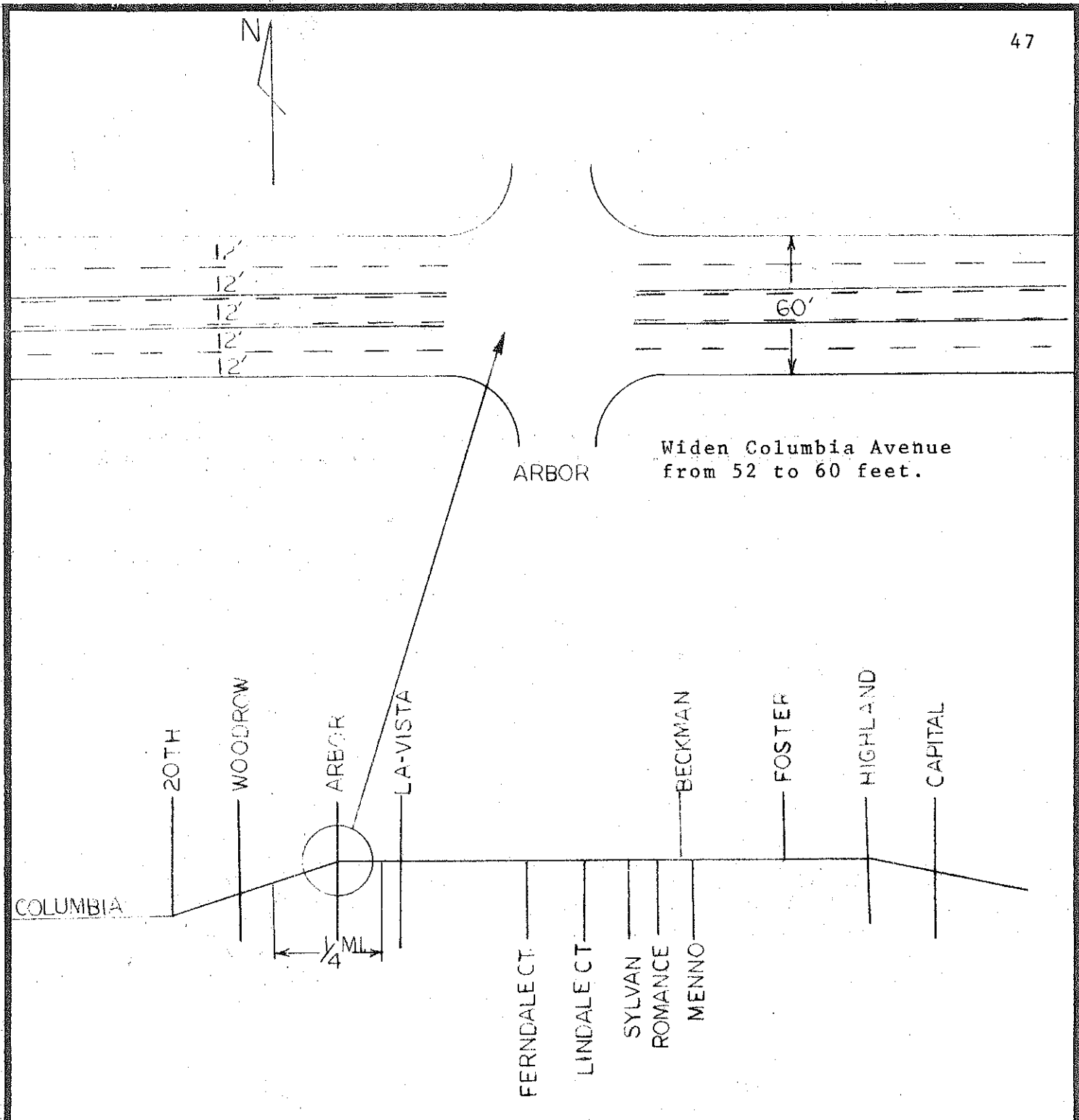
SOUTHBOUND ARBOR ROAD

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Construct a center lane for left turns on Columbia Avenue between 20th Street and Capital Avenue.	\$ 52,800.00 *
2. Remove parking from the right-of-way in the southeast quadrant in an effort to improve sight distance.	

	\$ 52,800.00

* This cost incorporates the widening from LaVista Boulevard $\frac{1}{4}$ mile west which includes the Arbor Road intersection.



Widen Columbia Avenue from 52 to 60 feet.

Cost Estimate for this location is based on widening Columbia Avenue for 1/4 mile.

FIGURE 25

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

Proposed Widening Along Columbia Avenue

COLUMBIA AVENUE AT LAVISTA BOULEVARD

Operational Analysis:

Columbia Avenue intersects LaVista Boulevard to form a right-angle intersection. LaVista Boulevard operates under stop control (two 24 in. stop signs).

Accidents:

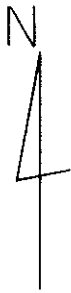
<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Rear End Columbia Avenue	5	1	6	12
Right Angle	1	3	4	8
Turning	2	1	2	5
Head On-Left Turn Columbia Avenue	--	1	3	4
Sideswipe	--	--	4	4
Misc.	1	2	1	4
Total	9	8	20	37

The miscellaneous accidents include two improper backings, one pedestrian and one defective equipment. Wet pavement conditions were associated with 13 of the accidents. The accident rate at this location was 3.2 acc/MV for the study period.

There were 22 accidents that were non-intersection related and were due to the commercial activity located along Columbia Avenue.

LA-VISTA

49



COLUMBIA

1969 (9)

TIRE

LA-VISTA

COLUMBIA

1970 (8)

LA-VISTA

COLUMBIA

1971 (20)

FIGURE 26

LEGEND

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

Stop & Go Signal Stop Sign **S**
 Flashing Beacon Yield Sign **Y**

Location COLUMBIA AT LAVISTA
CALHOUN CO.

ACC. RATES NOT AVAILABLE

Fatal
 Injury
 Skidding
 Jackknife
 Overturned
 Backing
 Pedestrian
 Tree
 Out of Control
 Driver Intent
 Deer
 Violator
 Violator

Period: 1969 THRU 1971

Accidents - Total 37 P.D. 27
 Injury 10 () Fatal 0 ()
 C.S. _____ Miles _____ Drawn DJM
 Plan No. LOCATION 7 Date 9-11-73



EASTBOUND COLUMBIA AVENUE



WESTBOUND COLUMBIA AVENUE



NORTHBOUND LAVISTA BLVD.

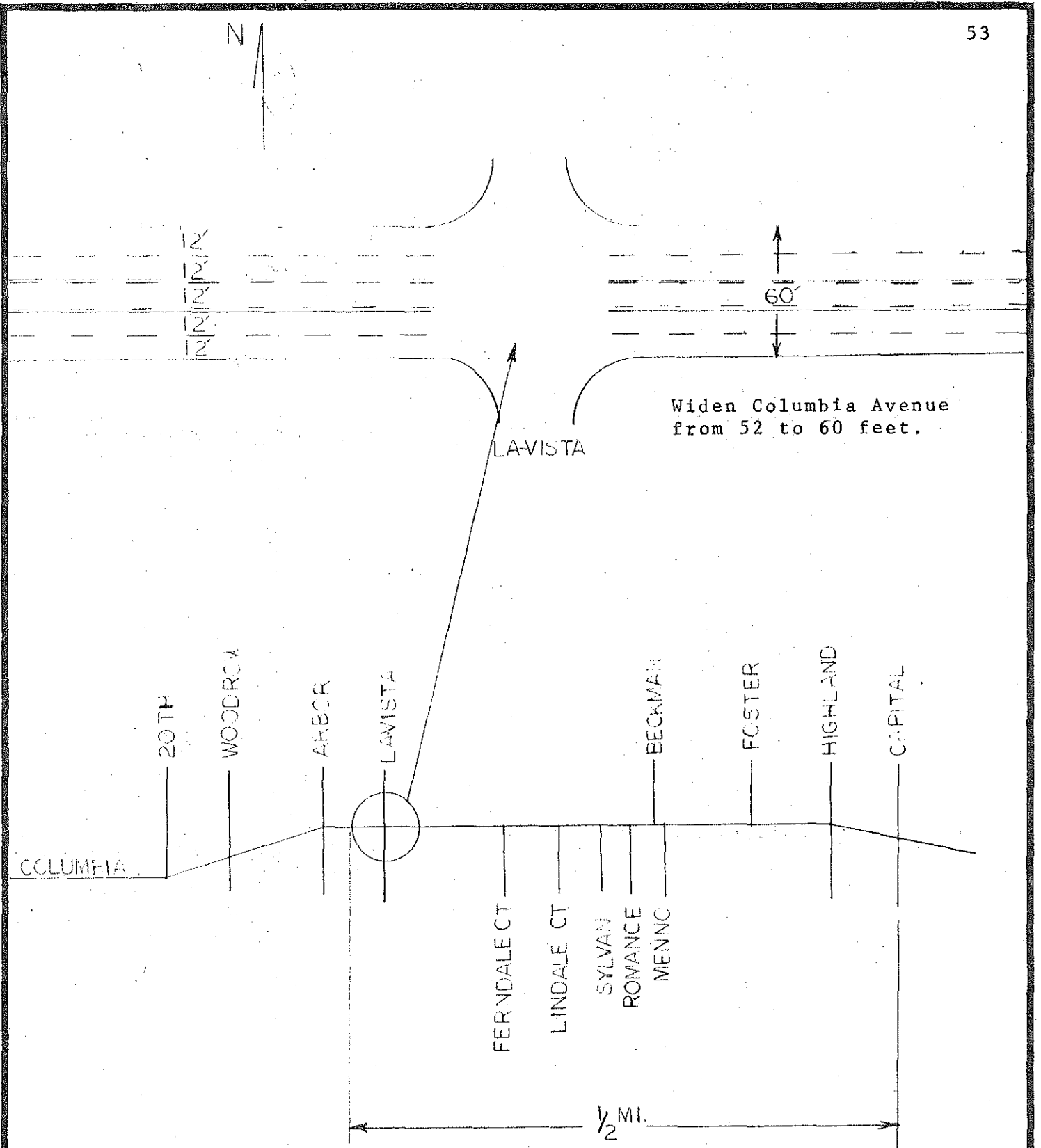


SOUTHBOUND LAVISTA BLVD.

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Construct a center lane for left turns on Columbia Avenue from 20th Street to Capital Avenue to relieve the accidents that occur as vehicles exit and enter commercial establishments along this roadway.	\$ 105,600.00 *
	<hr style="width: 20%; margin-left: auto; margin-right: 0;"/> \$ 105,600.00

* This cost incorporates the widening from Capital Avenue to LaVista Boulevard (½ mile).



Cost Estimate for this location is based on widening Columbia Avenue for 1/2 mile.

FIGURE 29

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

Proposed Widening Along
Columbia Avenue

COLUMBIA AVENUE AT WOODROW AVENUE

Operational Analysis:

Columbia Avenue intersects Woodrow Avenue to form a right-angle intersection. Woodrow Avenue operates under stop control (two 24 in. stop signs).

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Rear End				
Columbia Avenue	4	1	2	7
Woodrow Avenue	--	2	3	5
Turning	1	2	5	8
Right Angle	2	3	1	6
Head On-Left Turn				
Columbia Avenue	1	1	3	5
Misc.	1	2	1	4
	<hr/>	<hr/>	<hr/>	<hr/>
Total	9	11	15	35

The miscellaneous types include two sideswipes, one ran off roadway and one improper backing accident. Seventeen of the accidents were associated with wet pavement conditions and 17 of the accidents occurred at night.

There was a substantial amount (17) of accidents that were non-intersection related, but related to the ingress and egress activity created by commercial establishments located on Columbia Avenue.

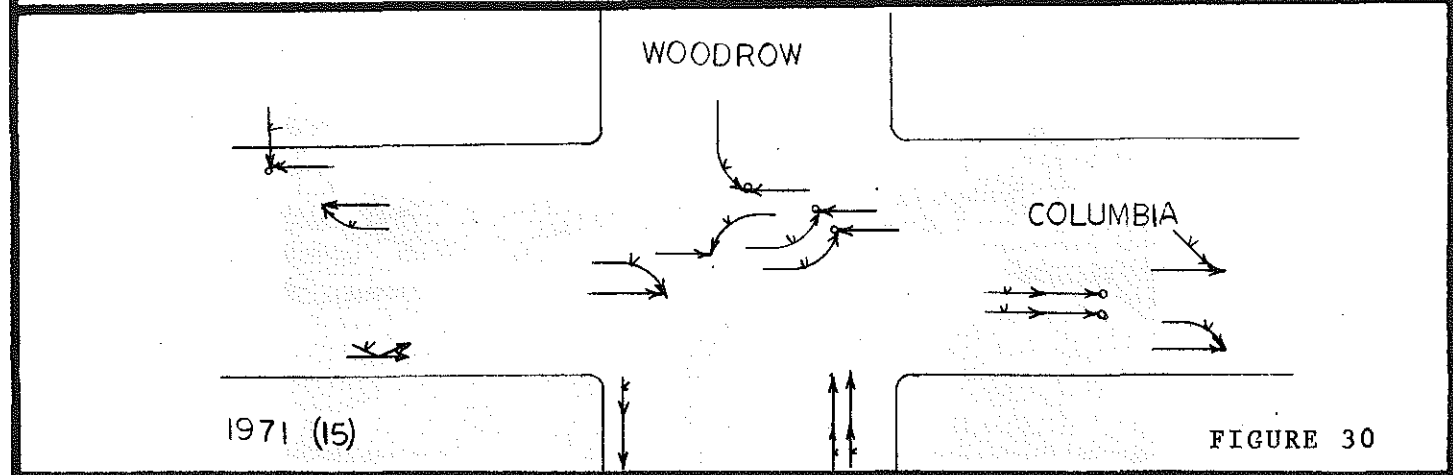
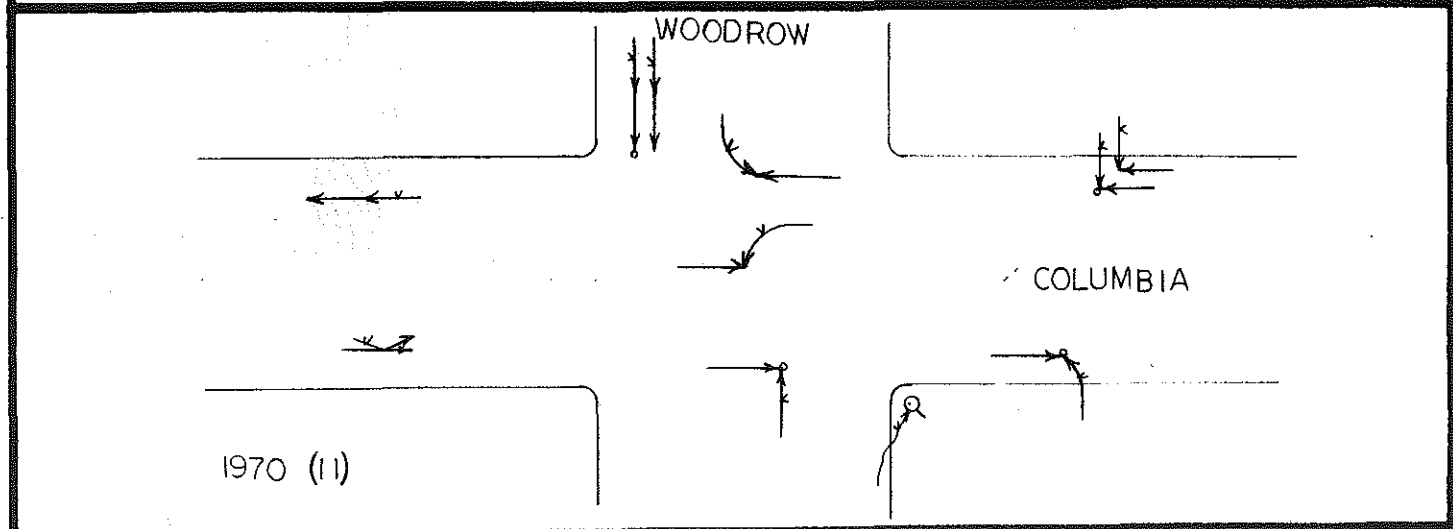
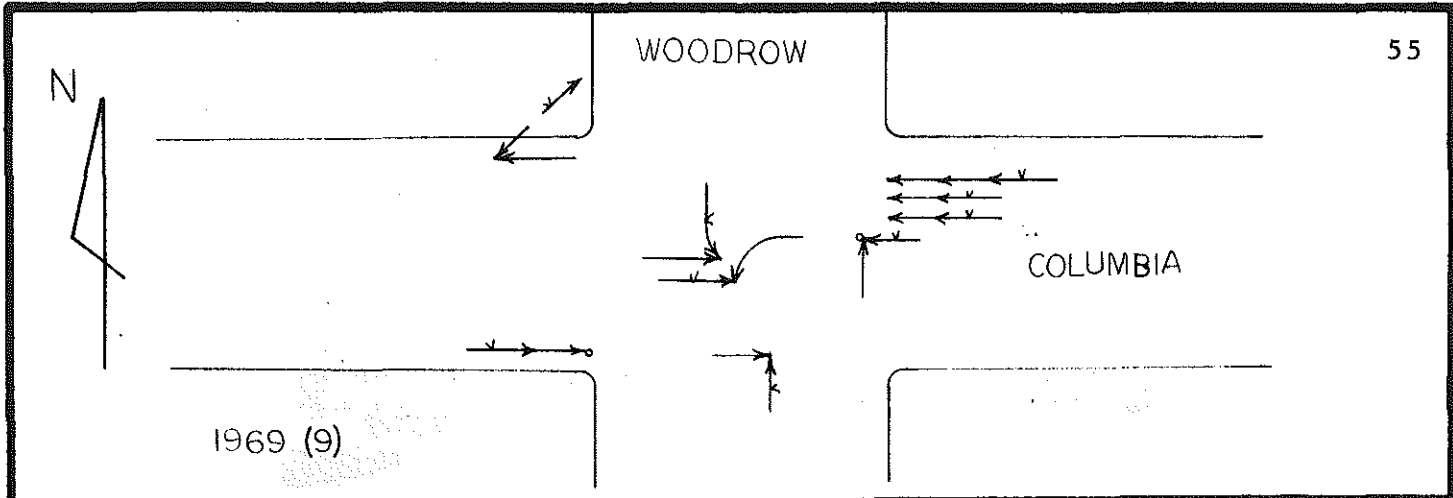


FIGURE 30

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal	Stop Sign	Location COLUMBIA AT WOODROW CALHOUN CO.	
Flashing Beacon	Yield Sign		
Fatal	Pedestrian	ACC RATES NOT AVAILABLE	
Injury	Tree	Period: 1969 THRU 1971	
Skidding	Out of Control	Accidents - Total <u>35</u> P.D. <u>23</u>	
Jackknife	Driver Intent	Injury <u>12</u> () Fatal <u>0</u> ()	
Overturned	Deer	C.S. _____ Miles _____ Drawn <u>DJM</u>	
Backing	Violator	Plan No. <u>LOCATION 8</u> Date <u>9-12-73</u>	



EASTBOUND COLUMBIA AVENUE



WESTBOUND COLUMBIA AVENUE



NORTHBOUND WOODROW AVENUE

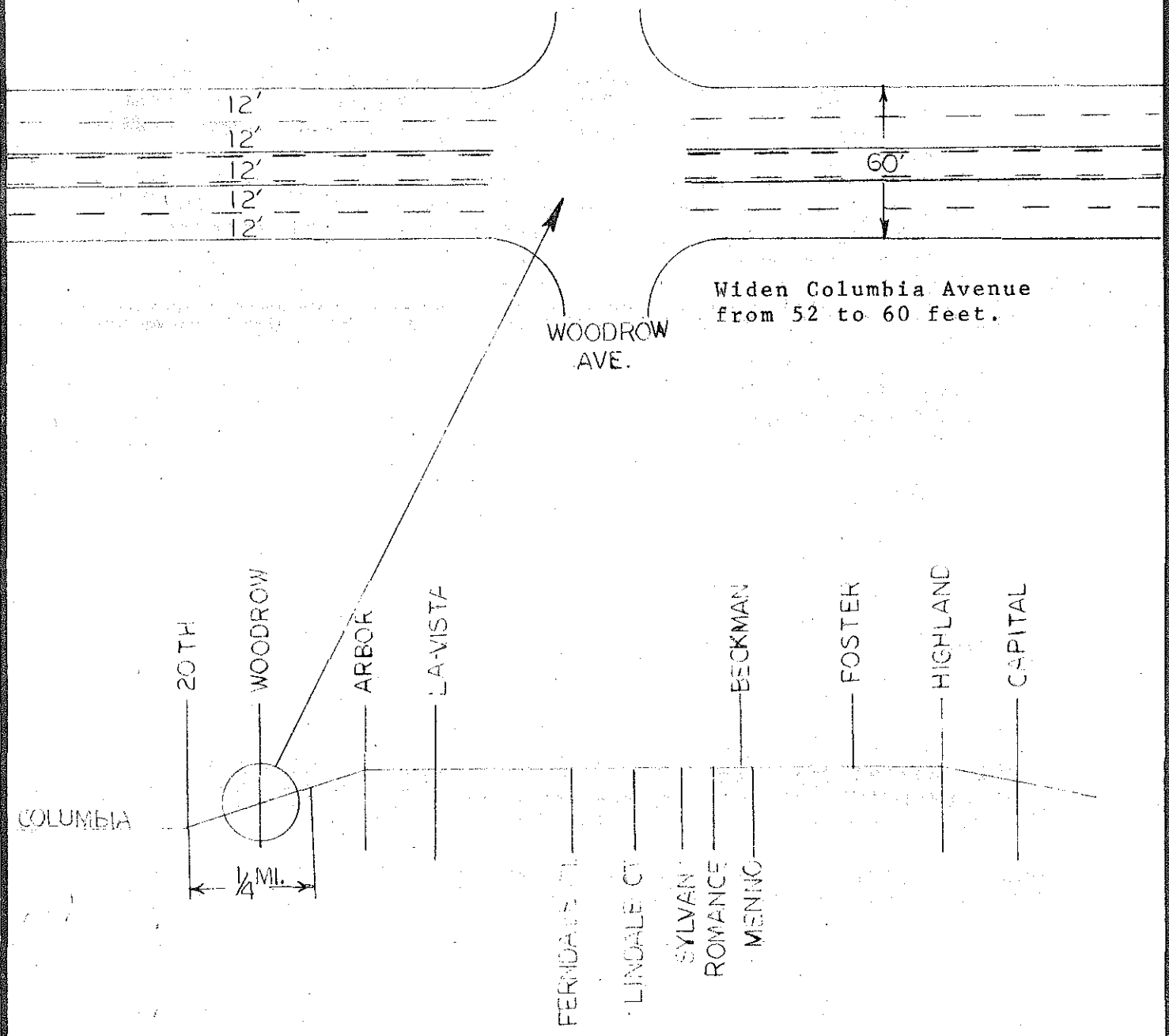


SOUTHBOUND WOODROW AVENUE

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Construct a center lane for left turns on Columbia Avenue to relieve the accident problem created by vehicles entering and exiting commercial activity.	\$ 52,800.00 *
	<hr/>
	\$ 52,800.00

* The cost incorporates the widening from $\frac{1}{2}$ mile west of LaVista Boulevard to 20th Street which includes the Woodrow Avenue intersection.



Widen Columbia Avenue from 52 to 60 feet.

WOODROW AVE.

COLUMBIA

1/4 MI.

Cost Estimate for this location is based on widening Columbia Avenue for 1/4 mile.

FIGURE 33

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

Proposed Widening Along
Columbia Avenue

TERRITORIAL ROAD AT 20TH STREET

Operational Analysis:

Territorial Road intersects 20th Street to form a right-angle intersection operating under traffic signal control. This location has one overhead vehicular signal head. The right-of-way assignment is based on a 60 second cycle with a 55-45 percent split favoring 20th Street and yellow clearance intervals of five percent (3.0 seconds) are provided. Angle parking is permitted on Territorial Road on each side of the roadway west of the intersection.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Rear End				
20th Street	6	8	3	17
Territorial Road	1	--	--	1
Sideswipe	2	3	3	8
Backing	2	3	2	7
Right-Angle	1	3	2	6
Misc.	5	4	--	9
Total	17	21	10	48

The miscellaneous types include five improper turns, three head on-left turns and one ran off roadway accident. The accident rate at this location was 2.0 acc/MV during the study period.

There is a deficiency in capacity at this location due to the large amount of traffic and inadequate laneage.

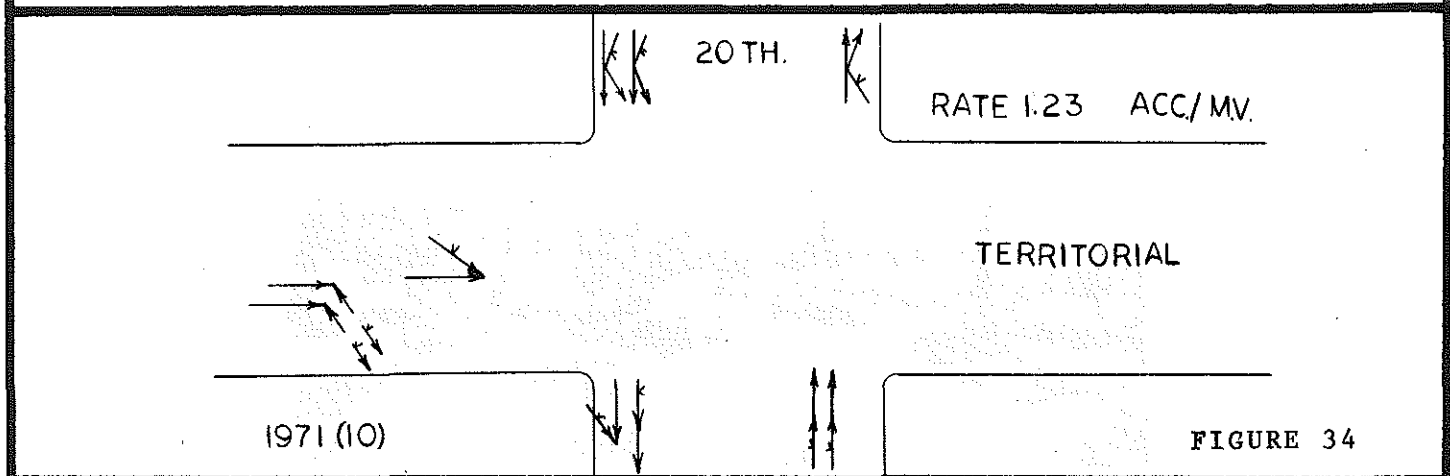
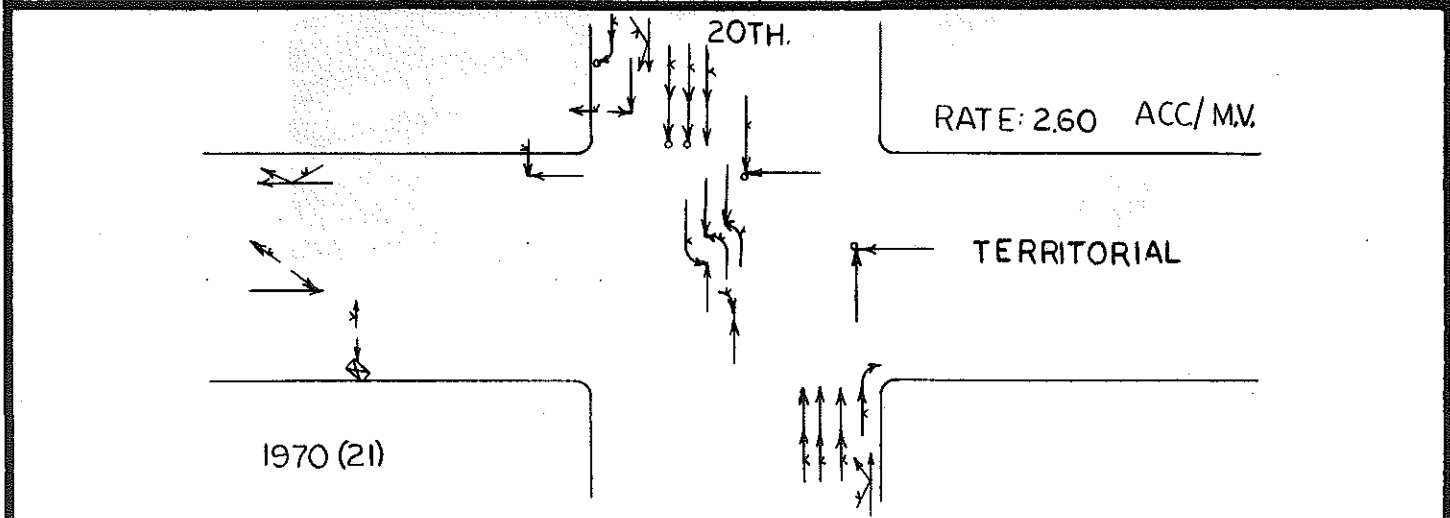
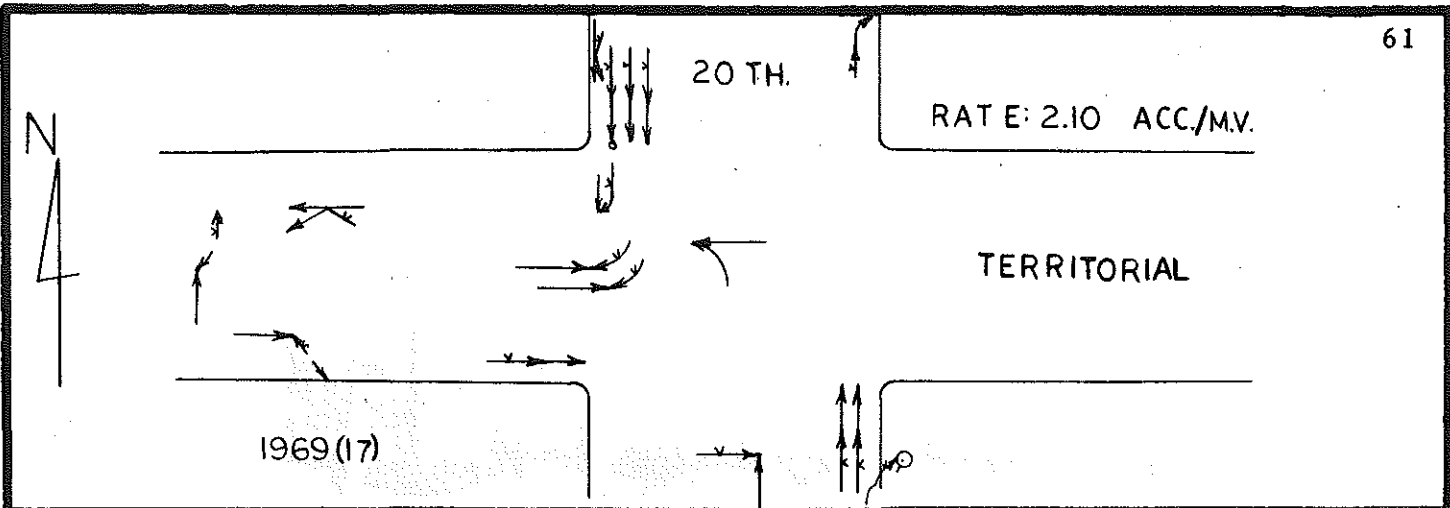


















FIGURE 34

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal  Flashing Beacon 	Stop Sign  Yield Sign 	Location 20TH AT TERRITORIAL CALHOUN CO.	
Fatal  Injury  Skidding  Jackknife  Overturned  Backing 	Pedestrian  Tree  Out of Control  Driver Intent  Deer  Violator 	Period: <u>1969 THRU 1971</u> 1.98ACC./M.V. Accidents - Total <u>48</u> P.D. <u>42</u> Injury <u>6</u> () Fatal <u>0</u> () C.S. _____ Miles _____ Drawn <u>DJM</u> Plan No. <u>LOCATION 4</u> Date <u>8 22 73</u>	



EASTBOUND TERRITORIAL ROAD



WESTBOUND TERRITORIAL ROAD



NORTHBOUND 20TH STREET



SOUTHBOUND 20TH STREET

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Widen 20th Street to five lanes to include a center lane for left turns in order to improve capacity.	\$ 100,440.00
2. Construct additional lanes on Territorial Road to provide two lanes per approach.	39,750.00
3. Erect overhead Lane-Use control signs on each leg to inform traffic of the function of each lane.	8,127.00
4. Apply pavement marking arrows.	350.00
5. Modernize this signal to include another signal head as per the recommendation of the Manual.	442.00
6. Interconnect this signal with other signals along 20th Street.	910.00
	<hr/>
	\$ 150,019.00

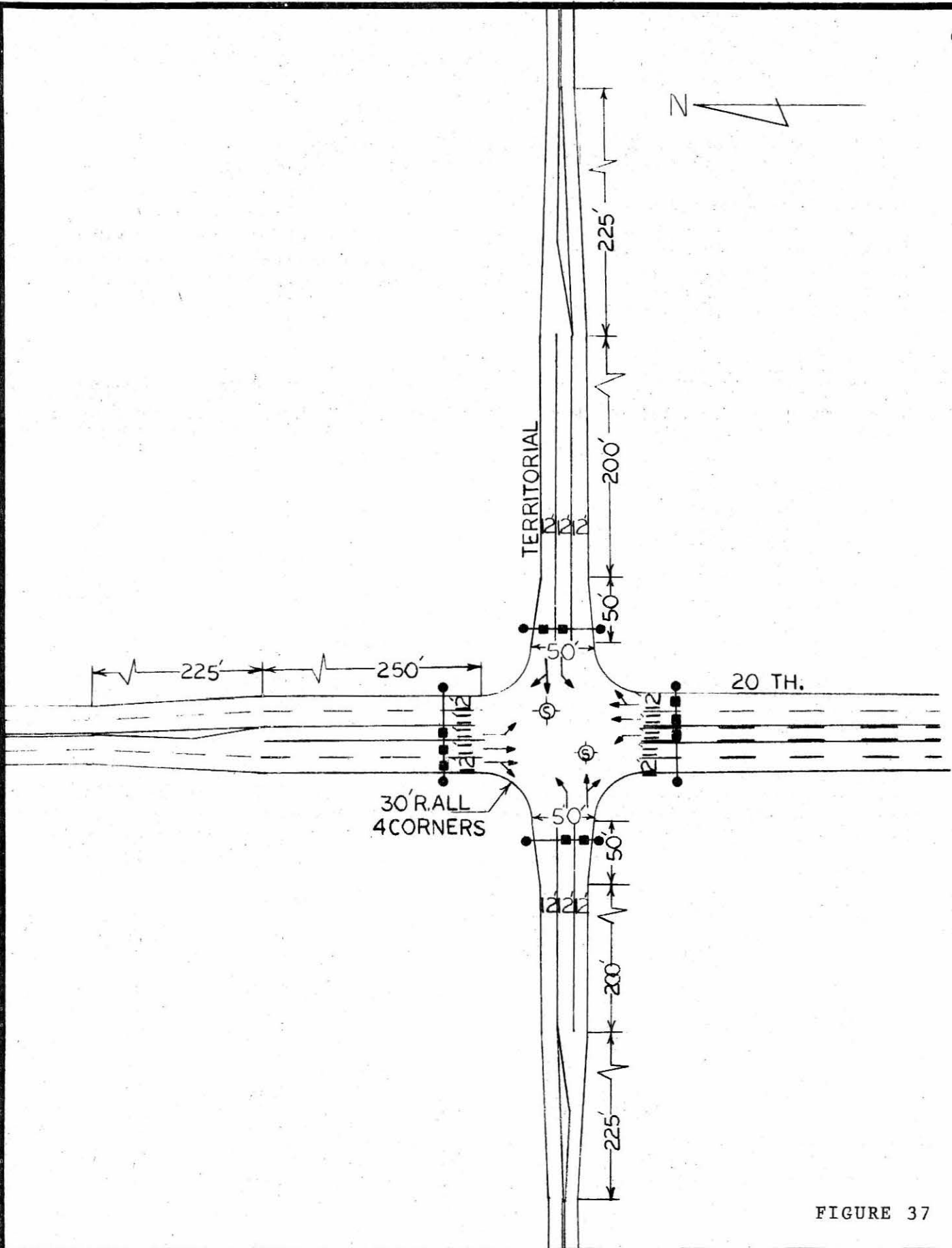


FIGURE 37

<p>STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS</p> <p>— ● —</p> <p>TRAFFIC & SAFETY DIVISION</p>	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	
<p>PROPOSED INTERSECTION APPROACH DIAGRAM</p>				

NORTH AVENUE AT MORGAN ROAD

Operational Analysis:

North Avenue intersects Morgan Road to form a right-angle intersection. Traffic is controlled at this intersection by two 36 in. stop signs on Morgan Road. A flashing beacon has been installed to supplement the stop signs.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Right Angle	9	5	4	18
Head On-Left Turn				
North Avenue	--	2	2	4
Morgan Road	1	--	--	1
Misc.	1	1	2	4
	<hr/>	<hr/>	<hr/>	<hr/>
Total	11	8	8	27

The miscellaneous type accidents include three rear ends and one ran off roadway. The accident rate at this intersection was 2.7 acc/MV for the study period.

Sixty-seven percent of the right-angle accidents involved drivers who stopped at the stop sign and failed to yield to oncoming traffic as opposed to those drivers who failed to stop.

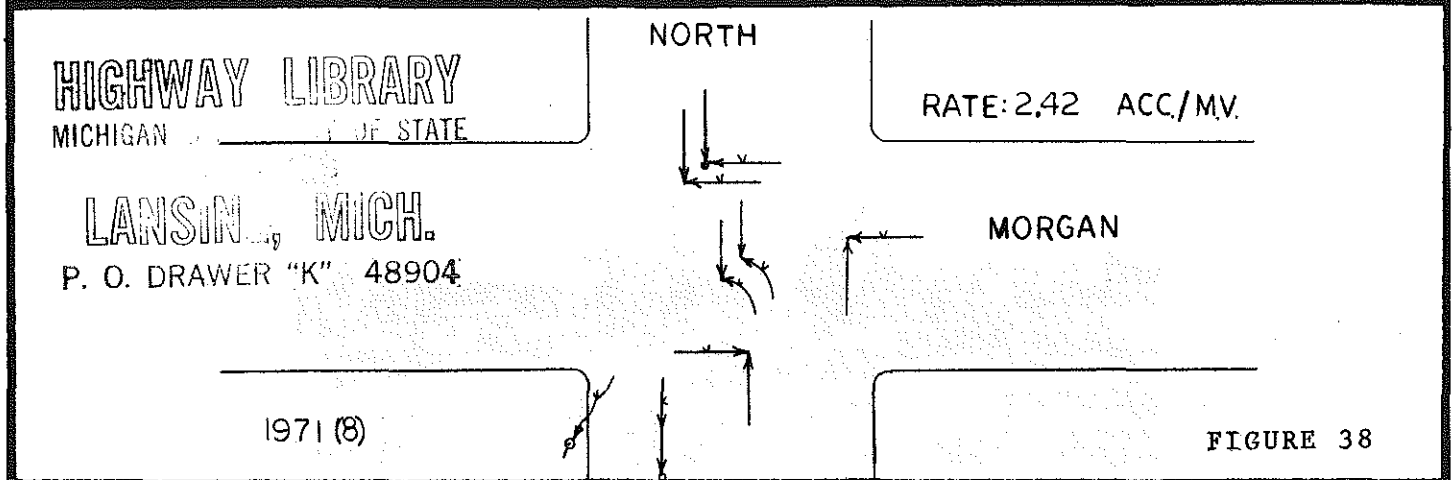
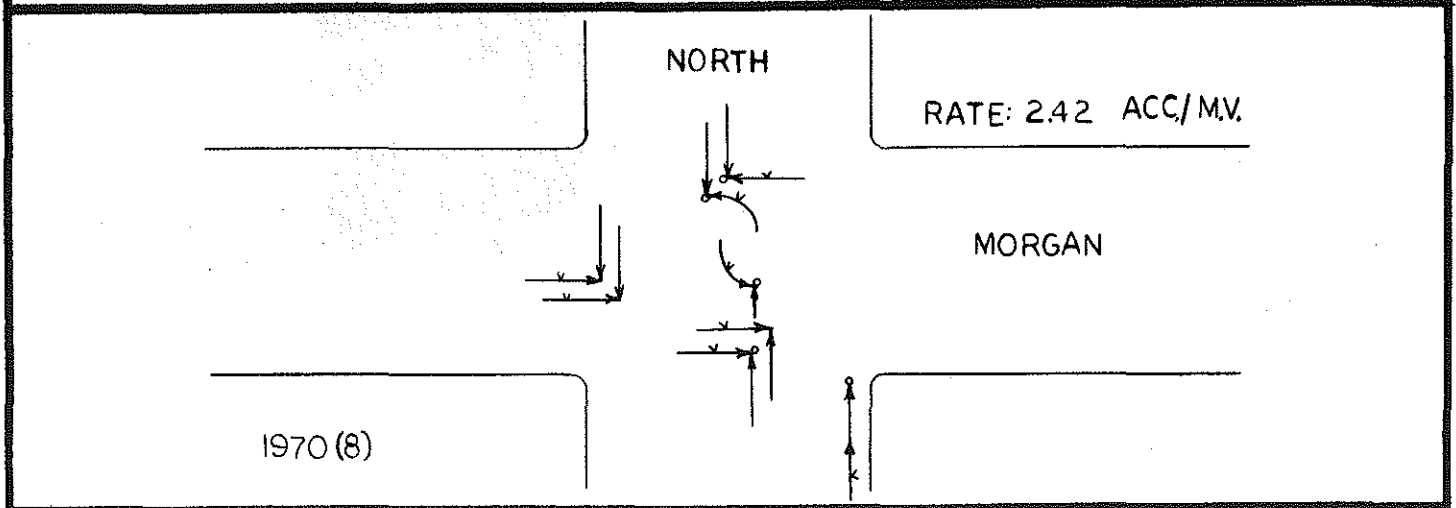
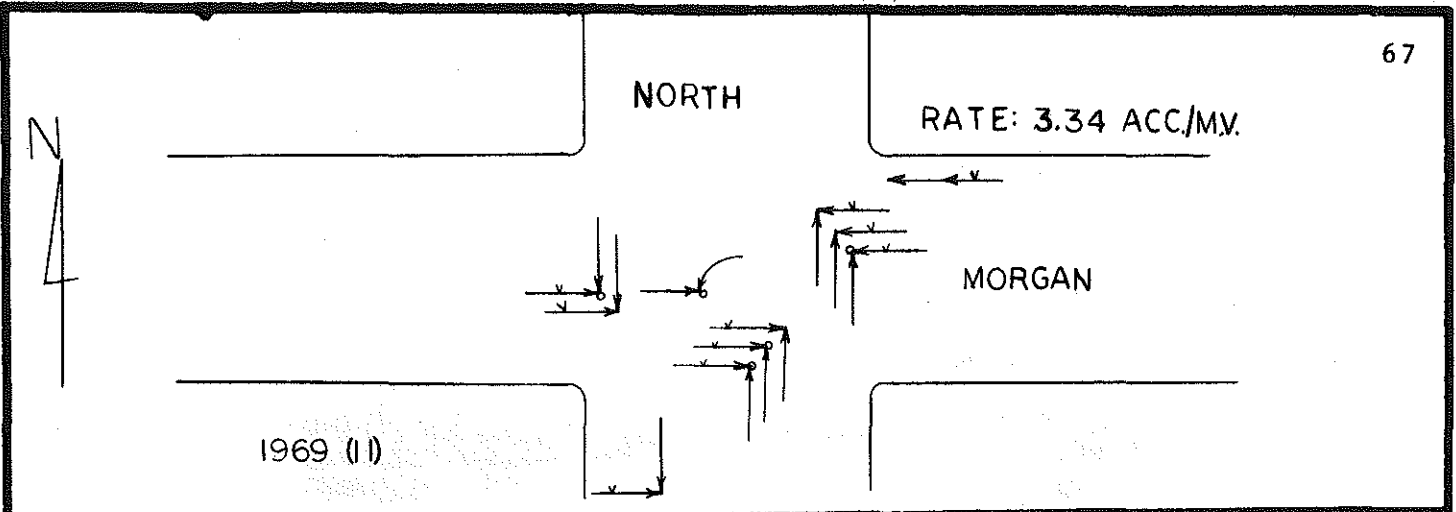




















FIGURE 38

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal  Stop Sign  Flashing Beacon  Yield Sign 	Stop Sign  Yield Sign 	Location <u>NORTH AT MORGAN</u> <u>CALHOUN CO.</u>	
Fatal  Injury  Skidding  Jackknife  Overturned  Backing 	Pedestrian  Tree  Out of Control  Driver Intent  Deer  Violator 	Period: <u>1969 THRU 1971</u> <u>2.73 ACC/M.V.</u> Accidents - Total <u>27</u> P.D. <u>16</u> Injury <u>10</u> () Fatal <u>1</u> () C.S. _____ Miles _____ Drawn <u>DJM</u> Plan No. <u>LOCATION 9</u> Date _____	



NORTHBOUND NORTH AVENUE



SOUTHBOUND NORTH AVENUE

FIGURE 39



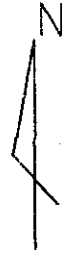
EASTBOUND MORGAN ROAD



WESTBOUND MORGAN ROAD

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Convert this intersection to a 4-Way Stop operation due to the large amount of right-angle accidents. The accident and volume warrants are met for installing the 4-Way Stop as a safety measure. This conversion would include two 36 in. "Stop Ahead" signs, two 36 in. "Stop" signs, four 4-Way Stop signs and replacement of the yellow lens on the flasher.	\$ 160.00
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> \$ 160.00



36" STOP AHEAD PROPOSED

NORTH AVE.

36" STOP AHEAD PROPOSED

36" STOP AHEAD

36" STOP AHEAD



MORGAN RD.

36" STOP AHEAD

36" STOP AHEAD

36" STOP AHEAD PROPOSED

36" STOP AHEAD PROPOSED

FIGURE 41

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS

TRAFFIC & SAFETY DIVISION

AUTH. NO.

DRAWN

CONT. SEC.

DATE

REF.

SCALE

SHEET OF

PLAN

PROPOSED INTERSECTION
DIAGRAM

EMMETT AVENUE AT RAYMOND ROAD

Operational Analysis:

Emmett Avenue intersects Raymond Road to form a right-angle intersection operating under traffic signal control. Hayes Boulevard is a gravel roadway which intersects this location from the south-east. The right-of-way assignment is based on a 70 second cycle with a 53-47 percent split favoring Emmett Avenue and yellow clearance intervals of five percent (3.5 seconds) are provided. Both northbound Raymond Road and eastbound Emmett Avenue have a flashing red arrow permitting right turns during the red indication for their approach. This signal is not coordinated with other signalized intersections.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Rear End				
Emmett Avenue	2	2	2	6
Raymond Road	--	1	2	3
Head On-Left Turn				
Emmett Avenue	--	1	1	2
Raymond Road	--	--	1	1
Misc.	4	4	1	9
	<hr/>	<hr/>	<hr/>	<hr/>
Total	6	8	7	21

Eight of the accidents occurred on wet pavement. The miscellaneous types include two improper turns, two right-angles, one improper backing, one sideswipe, one pedestrian, one overturning and one bicycle accident. The accident rate at this intersection was 1.4 acc/MV for the study period.

There is a deficiency of capacity at this location due to the inadequate laneage.

RAYMOND

73

EMMETT

1969 (6)

RATE: 1.18 ACC/MV.

RAYMOND

EMMETT

1970 (8)

RATE: 1.57 ACC/MV.

RAYMOND

EMMETT

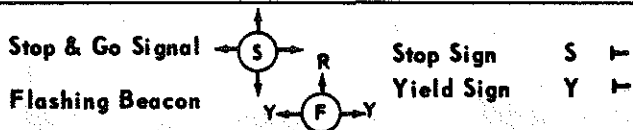
1971 (7)

RATE: 1.37 ACC/MV.

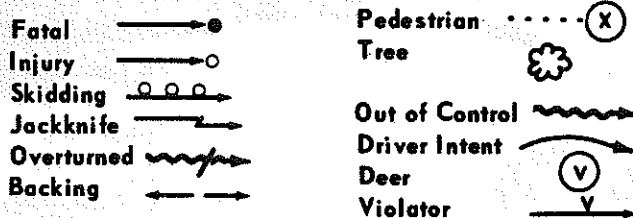
FIGURE 42

LEGEND

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION



Location RAYMOND AT EMMETT
CALHOUN CO.



Period: 1969 THRU 1971 1.37 ACC/MV.
 Accidents - Total 21 P.D. 12
 Injury 8 () Fatal 1 ()
 C.S. Miles Drawn DJM
 Plan No. LOCATION 10 Date 9-12-73



NORTHBOUND
RAYMOND ROAD

NORTHWESTBOUND
HAYES BLVD.



SOUTHBOUND
RAYMOND ROAD

FIGURE 44

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Construct additional laneage at this intersection to provide continuity in traffic flow and to provide two lanes per approach.	\$ 87,750.00
2. Relocate Hayes Boulevard to intersect Emmett Avenue east of the intersection.	5,400.00
3. Center the right turn arrow in the lane to which it pertains.	100.00
4. Erect overhead Lane-Use Control signs to stress the function of each leg.	6,100.00
5. Apply pavement marking arrows.	210.00
	<hr/>
	\$ 99,560.00

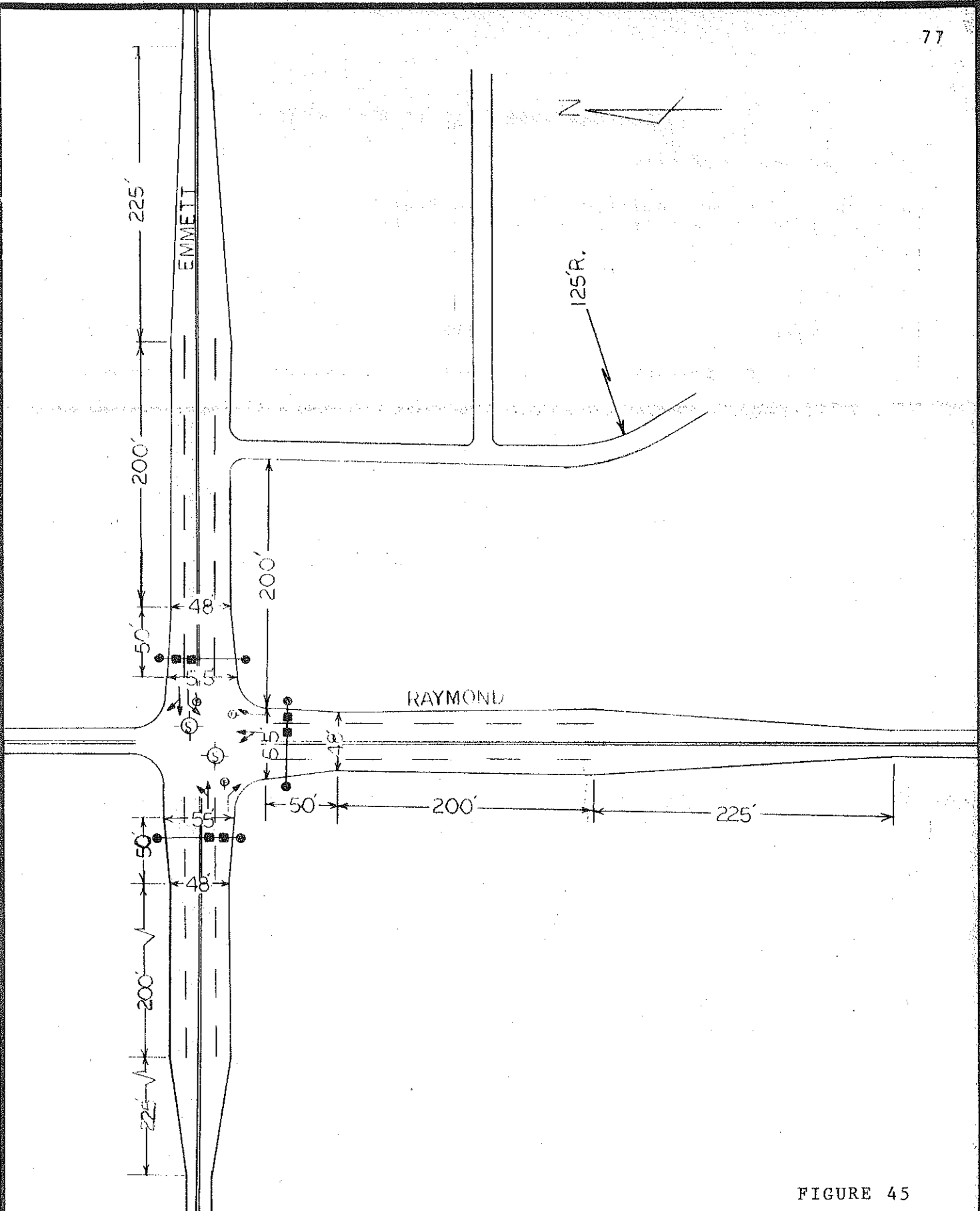


FIGURE 45

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

PROPOSED INTERSECTION
 APPROACH DIAGRAM

MICHIGAN AVENUE AT 12 MILE ROAD

Operational Analysis:

Michigan Avenue intersects 12 Mile Road to form a "T" intersection. Traffic on 12 Mile Road is controlled by two (a 24 in. and a 36 in.) stop signs.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Ran Off Roadway	5	3	5	13
Turning	--	1	2	3
Misc.	1	1	1	3
	<hr/>	<hr/>	<hr/>	<hr/>
Total	6	5	8	19

Seven of the accidents occurred at night. The miscellaneous types include two deer and one rear end accident. The accident rate at this intersection was 4.0 acc/MV during the study period.

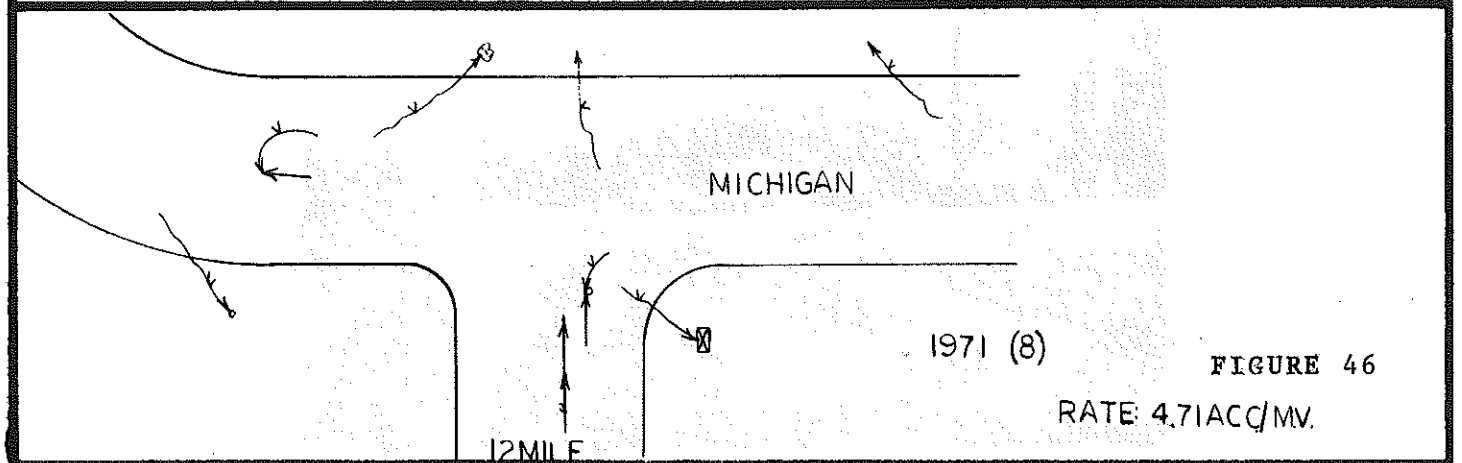
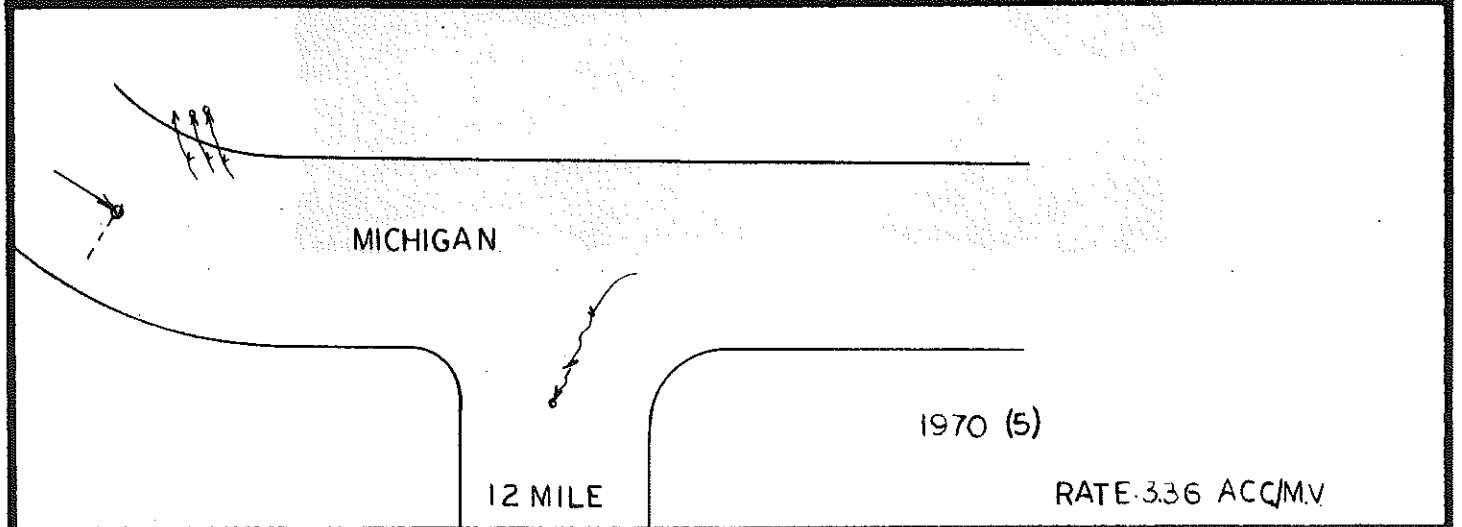
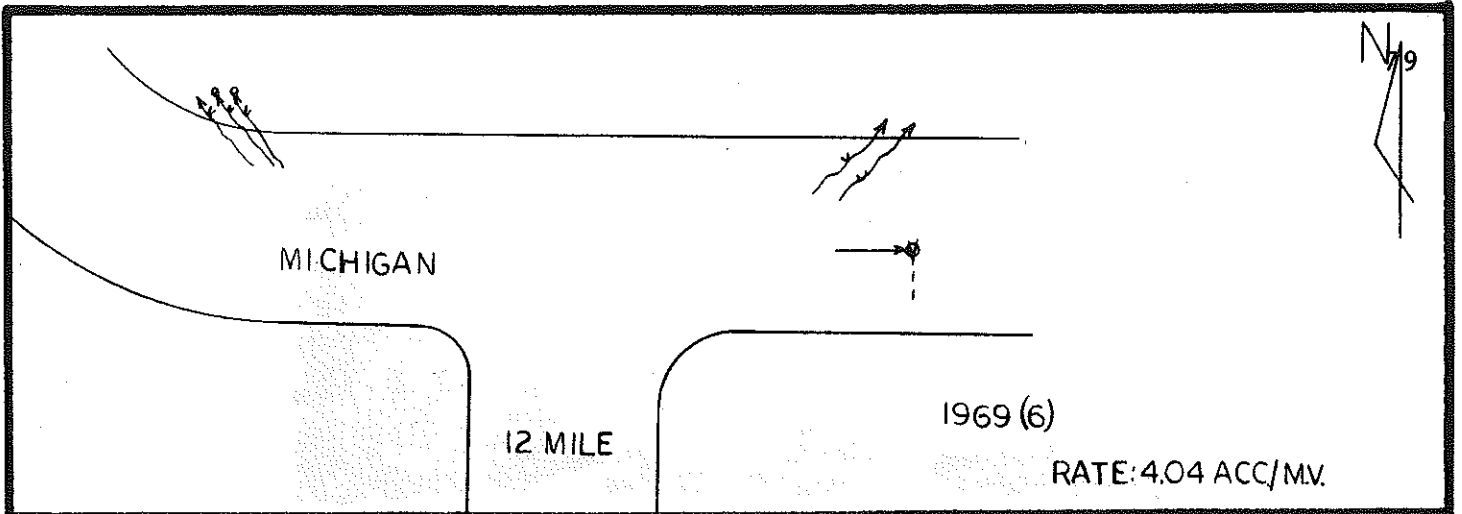


FIGURE 46

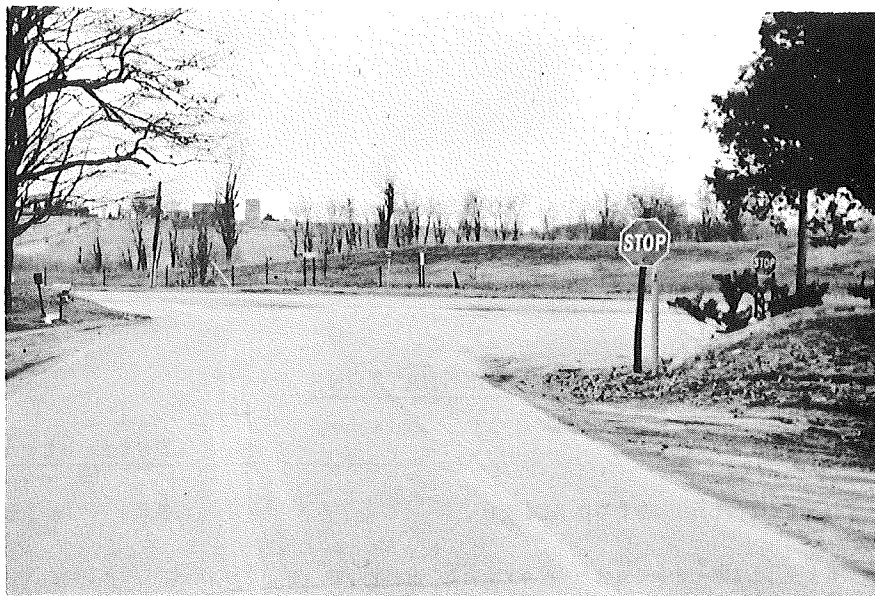
LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal		Stop Sign	S
Flashing Beacon		Yield Sign	Y
Fatal		Pedestrian	
Injury		Tree	
Skidding		Out of Control	
Jackknife		Driver Intent	
Overtaken		Deer	
Backing		Violator	
		Location	MICHIGAN AT 12 MILE CALHOUN CO.
		Period:	1969 THRU 1971
		Accidents - Total	19
		P.D.	12
		Injury	7 ()
		Fatal	0 ()
		C.S.	_____ Miles
		Drawn	[JM]
		Plan No.	LOCATION 11
		Date	9-13-73



EASTBOUND MICHIGAN AVENUE



WESTBOUND MICHIGAN AVENUE



NORTHBOUND 12 MILE ROAD



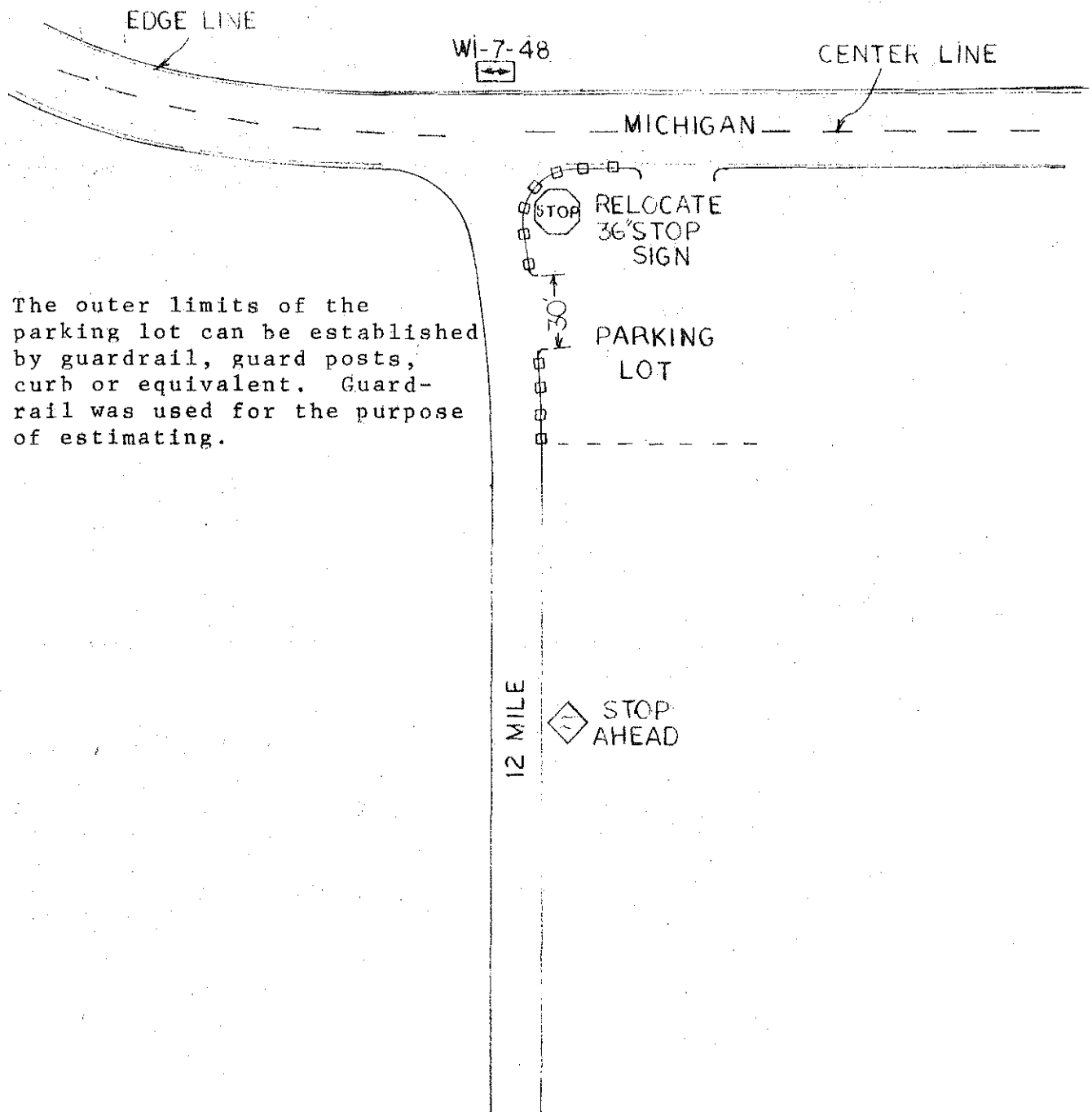
SOUTHBOUND 12 MILE ROAD

FIGURE 48

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Remove the 24 in. stop sign.	\$ 10.00
2. Erect a Bi-Directional Target Arrow in target position for 12 Mile Road to advise the motorist of the change in alignment.	38.00
3. Apply pavement marking centerline and edgelines at this intersection on an annual basis to aid motorists, especially during periods of darkness.	20.00
4. Use curbing to control access to and from the parking area adjacent to this locations.	1,050.00
	<hr/>
	\$ 1,118.00

N



The outer limits of the parking lot can be established by guardrail, guard posts, curb or equivalent. Guard-rail was used for the purpose of estimating.

12 MILE

STOP AHEAD

FIGURE 49

STATE OF MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC & SAFETY DIVISION	AUTH. NO.		DRAWN	
	CONT. SEC.		DATE	
	REF.		SCALE	
	SHEET	OF	PLAN	

PROPOSED INTERSECTION
DIAGRAM

TERRITORIAL ROAD AT LAVISTA BOULEVARD

Operational Analysis:

Territorial Road intersects LaVista Boulevard to form a right-angle intersection. LaVista Boulevard, which is under stop (two 24 in. signs) control, is a divided roadway at this intersection.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Right-Angle	2	1	4	7
Sideswipe	1	1	2	4
Ran Off Roadway	1	--	2	3
Rear End LaVista Boulevard	1	1	1	3
Misc.	1	--	1	2
	<hr/>	<hr/>	<hr/>	<hr/>
Total	6	3	10	19

The miscellaneous types include one improper turning and one head on-left turn accident.

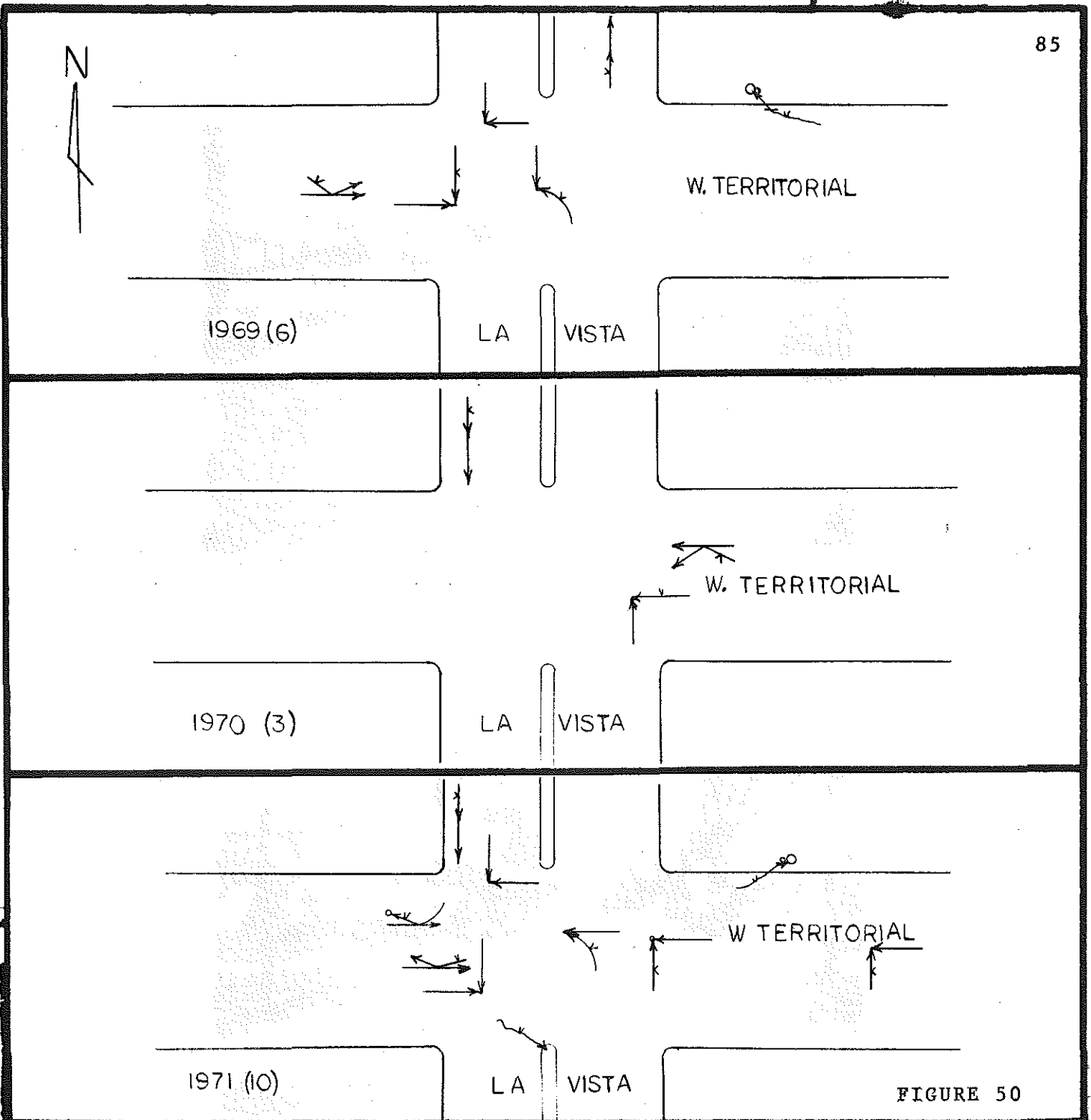


FIGURE 50

LEGEND		MICHIGAN DEPARTMENT OF STATE HIGHWAYS TRAFFIC AND SAFETY DIVISION	
Stop & Go Signal	Stop Sign	Location TERRITORIAL AT LA-VISTA CALHOUN CO.	
Flashing Beacon	Yield Sign	ACC. RATES NOT AVAILABLE	
Fatal	Pedestrian	Period: 1969 THRU 1971	
Injury	Tree	Accidents - Total 19 P.D. 15	
Skidding	Out of Control	Injury 4 () Fatal ()	
Jackknife	Driver Intent	C.S. _____ Miles _____ Drawn DJM	
Overtaken	Deer	Plan No. LOCATION 12 Date 9 13 73	
Backing	Violator		



EASTBOUND TERRITORIAL ROAD



WESTBOUND TERRITORIAL ROAD

FIGURE 51



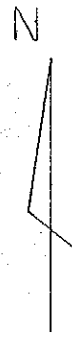
NORTHBOUND LAVISTA BLVD.



SOUTHBOUND LAVISTA BLVD.

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Establish clear vision corners so that vehicles can be seen far enough along Territorial Road to provide adequate crossing time.	\$ 500.00
	<hr/>
	\$ 500.00



LA-VISTA BLVD.



15'

200'



FIGURE 53

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC & SAFETY DIVISION

AUTH. NO.		DRAWN	
CONT. SEC.		DATE	
REF.		SCALE	
SHEET	OF	PLAN	

PROPOSED INTERSECTION
DIAGRAM

MICHIGAN AVENUE AT 15 MILE ROAD AND C DRIVE N

Operational Analysis:

Michigan Avenue intersects 15 Mile Road to form a "T" intersection. South of this intersection C Drive N intersects 15 Mile Road. Stop signs (two 24 in. signs) are used to control traffic on C Drive N and on 15 Mile Road at its intersection with Michigan Avenue.

Accidents:

<u>Type</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>Total</u>
Ran Off Roadway	6	4	3	13
Misc.	1	1	3	5
	<hr/>	<hr/>	<hr/>	<hr/>
Total	7	5	6	18

The miscellaneous types include two rear ends, one sideswipe, one improper turning and one ran off roadway accident. The accident rate at this location was 3.7 acc/MV during the study period.

In seven of the ran off roadway accidents vehicles struck the raised traffic island which separates the roadway on Michigan Avenue. Ten of the accidents occurred at night.

N

MICHIGAN

C DRIVE N.

15 MILE

1969(7)

RATE: 4.29 ACC/MV.

MICHIGAN

C DRIVE N

15 MILE

1970 (5)

RATE: 3.06 ACC/MV.

MICHIGAN

C DRIVE N

15 MILE

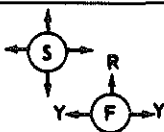



1971(6)

RATE: 3.68 ACC/MV.













FIGURE 54

LEGEND

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

Stop & Go Signal  Stop Sign  S T
Flashing Beacon  Yield Sign  Y T

Location MICHIGAN AT 15 MILE AND C DRIVE N.
CALHOUN CO.

Fatal  Pedestrian  X
Injury  Tree  *
Skidding  Out of Control  ~~~~~
Jackknife  Driver Intent  ~~~~~
Overturned  Deer  (V)
Backing  Violator  (V)
Y

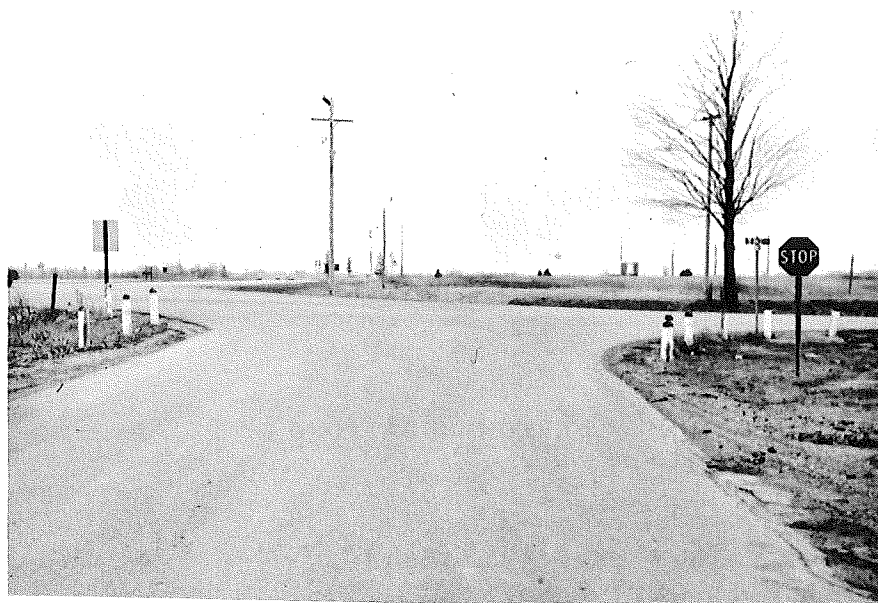
Period: 1969 THRU 1971 3.68 ACC/MV
Accidents - Total 18 P.D. 14
Injury 4 () Fatal 0 ()
C.S. _____ Miles _____ Drawn D J M
Plan No. LOCATION 13 Date 9-13-73



EASTBOUND MICHIGAN AVENUE



WESTBOUND MICHIGAN AVENUE



EASTBOUND C DRIVE NORTH

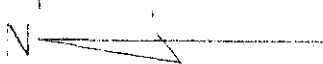


SOUTHBOUND 15 MILE ROAD

FIGURE 56

RECOMMENDATIONS

<u>Type</u>	<u>Estimated Costs</u>
1. Remove the raised traffic island and replace it with a painted traffic island and corrugated concrete divider.	\$ 7,650.00
2. Install a street lighting system to aid in reducing the night-time accidents.	200.00
	<hr/>
	\$ 7,850.00



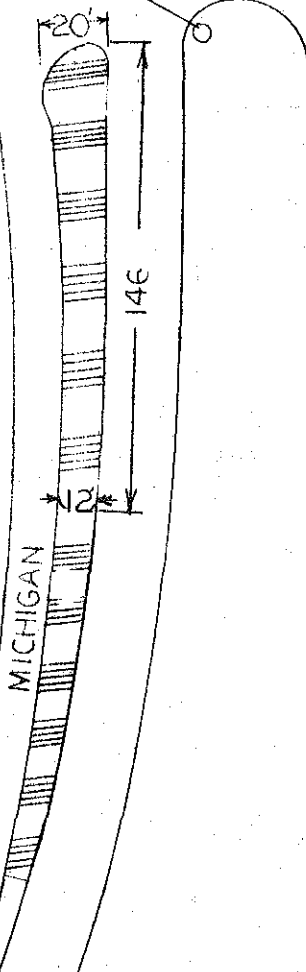
overhead street lighting system



15 MILE



Remove raised traffic island and replace with a corrugated concrete divider.



C. DRIVE N.

FIGURE 57

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS

TRAFFIC & SAFETY DIVISION

AUTH. NO.

CONT. SEC.

REF.

SHEET OF

DRAWN

DATE

SCALE

PLAN

PROPOSED INTERSECTION
DIAGRAM

SUMMARY

The Department of State Police submitted 13 high accident locations for Calhoun County to the Michigan Department of State Highways and Transportation. After an indepth study of these locations, recommendations were formulated for all 13 locations. The recommendations are as follows:

<u>Location Number</u>	<u>Location Description and Estimated Costs</u>	<u>Recommendations</u>
1	Columbia Avenue and Main Street \$130,118.00	Skidometer tests Left Turn Lane for Columbia Avenue Left Turn Lane for southbound Main Street Interconnection and Progression Overhead Lane-Use Control Signs Pavement Markings
2	Columbia Avenue and 20th Street \$71,118.00	Another lane for 20th Street Green Arrow Signal for west-bound Columbia R3-7 Interconnection and Progression along both road systems Overhead Lane-Use Control Signs Pavement Markings
3	Columbia Avenue and Riverside Drive \$9,864.00	Skidometer tests Realign left turn lane on westbound Columbia Avenue Interconnection and Progression Overhead Lane-Use Control Signs Pavement Markings
4	Territorial Road and 20th Street \$150,019.00	Construct five lane operation for 20th Street Construct three lane operation for Territorial Road Signal Head Interconnection and Progression Overhead Lane-Use Control Signs Pavement Markings
5	Columbia Avenue and Grand Boulevard \$1,279.00	Close one driveway Directional drives

<u>Location Number</u>	<u>Location Description and Estimated Costs</u>	<u>Recommendations</u>
6	Columbia Avenue and Arbor Road \$52,800.00	Widen Columbia Avenue to include a center left turn lane Remove parking on ROW
7	Columbia Avenue and LaVista Boulevard \$105,600.00	Widen Columbia Avenue to include a center left turn lane
8	Columbia Avenue and Woodrow Avenue \$52,800.00	Widen Columbia Avenue to include a center left turn lane
9	Morgan Road and North Avenue \$160.00	R1-1 (36) W3-1 (36) Change operation to 4-Way Stop
10	Emmett Avenue and Raymond Road \$99,560.00	Overhead Lane-Use Control Signs Relocate Hayes Boulevard Geometric changes R1-1 (24) Relocate right-turn arrow over the appropriate lane Pavement Markings
11	Michigan Avenue and 12 Mile Road \$1,118.00	Remove R1-1 (24) W1-7 (48) Edge and centerline markings applied on annual basis
12	Territorial Road and LaVista Boulevard \$500.00	Clear vision corners
13	Michigan Avenue and 15 Mile Road and C Drive N \$7,850.00	Remove curb island Street light system

Furthermore, a few general recommendations were formulated that should be implemented by Calhoun County.

1. Signalized intersections should be modernized (two overhead vehicular signal heads) as per the recommendations of the new Michigan Manual. Signal

systems along major arterial roadways should be interconnected to provide progressive movement during the peak periods.

2. Skidometer tests should be conducted at all locations where a substantial amount of accidents occurred on wet pavement (Criteria in Traffic Engineering Analysis).
3. A program should be initiated by the county for removing vision obstructions that are located in clear vision areas at intersections throughout the county.
4. It is recommended that overhead Lane-Use Control signs be installed and pavement marking arrows be applied at the signalized locations along Columbia Avenue.
5. Approximately 38 percent of the required regulatory signs on the Calhoun County Primary Road System are in need of maintenance or new installation.
6. Approximately 44 percent of the required warning signs are in need of maintenance or new installation.

ESTIMATED COSTS

High Accident Location Recommendations	\$ 682,786.00
Control Devices Inventory	79,459.00
	<hr/>
Total	\$ 762,245.00

APPENDIX I

100

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 7

Route County Wide Regulatory

Direction of Route _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	574	92		124	216
RI-1 (30")	368	23		39	62
RI-1 (36")	40	6		1	7
RI-2 (36")	131		98	32	130
RI-3 (12")	15			15	15
RI-3 (30")	4		2	2	4
R2-1 (24") (25 MPH)	31		2	9	11
R2-1 (24") (35 MPH)	120	10	6	19	35
R2-1 (24") (40 MPH)	15			7	7
R2-1 (24") (45 MPH)	173	13	11	15	39
R2-1 (24") (50 MPH)	87	4	3	12	19
R2-3a (24")	48	1	5	38	44
R2-5c (24")	50		7	36	43
R3-2a (24")	1				
R3-5 (30")R	5			5	5
R3-5 (30")L	6			6	6
R3-5a (30")	7			7	7
R3-6 (30")R	3			3	3
R3-7 (30")R	10			10	10
R3-7 (30")L	2			1	1
R3-9 (24")	7		7		7
R3-9a (36")	4			4	4
R3-11a (27")	4				
R4-1 (24")	79	24	3	3	30

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 2 of 7

Route County Wide Regulatory

Direction of Route _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R4-2 (24")	70	20	5	1	26
R4-7 (24") & Plaque (24")	6		1	5	6
R5-1 (30")	9		1	5	6
R5-9 (30")	4			1	1
R6-1 (36")R	2	1			1
R6-1 (36")L	1				
R7-1 (12")	96	13		3	16
R7-2 (12")	70	3			3
P7-5 (12")	11	3			3
P7-12 (12")	1	1			1
R12-1 (18") (3 TONS)	1				
R12-1 (18") (10 TONS)	4	1		1	2
R15-1	18	4	4	6	14
R15-1 (w/Flashers)	6			2	2
R15-1 (w/Flashers & Gates)	6	2			2
R15-2	20		6	14	20
"N DRIVE NO. TRAFFIC DOES NOT STOP" (24")	2				
"NO DUMPING" (24")	11	3			3
"NO MOTORBIKES OR ATV'S" (24")	1				
"NO PARKING 12 NOON TO 9 PM" (12")	9	3			3
"NO PARKING ANY TIME" (12")	1	1			1
"NO PARKING BETWEEN SIGNS" (12")	2	2			2
"NO PARKING POLICE CARS" (12")	2				
"TRUCKS, SEMIS, HEAVY TRUCKS, HEAVY MACHINERY PROHIBITED EXCEPT LOCAL DELIVERY" (24")	2				

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
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County Calhoun

Sheet 4 of 7

Route County Wide Warning

Direction of Route _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
W1-1 (30")R	42	3		15	18
W1-1 (30")L	41	5		15	20
W1-1 (36")R	2	1			1
W1-2 (30")R	153	12		15	27
W1-2 (30")L	151	6		14	20
W1-2 (36")R	9	1		1	2
W1-2 (36")L	5			1	1
W1-3 (30")R	15			7	7
W1-3 (30")L	3				
W1-3 (36")R	2				
W1-4 (30")R	23	3		8	11
W1-4 (30")L	28	1		8	9
W1-4 (36")L	2			2	2
W1-5 (30")R	10	1		1	2
W1-5 (30")L	8			2	2
W1-5 (36")R	1				
W1-5 (36")L	1				
W1-6 (48")	141	8		61	69
W1-6 (96")	1			1	1
W1-7 (48")	147	6		49	55
W2-1 (30")	159	12			12
W2-1 (36")	4				
W2-2 (30")R	154	17		2	19
W2-2 (30")L	144	10		2	12

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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County Calhoun

Sheet 5 of 7

Route County Wide Warning

Direction of Route _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
W2-3 (30")R	7			6	6
W2-3 (30")R (Inverted)	1			1	1
W2-3 (30")L	7			7	7
W2-3 (36")R	1		1		1
W2-4 (30")	8	2		1	3
W2-5 (30")	7			7	7
W3-1 (30")	219	18		72	90
W3-1 (36")	249	15		195	210
W3-2 (30")	12	1		3	4
W3-2 (36")	14		4	8	12
W4-2 (36")	6			6	6
W5-2 (30")	4	1			1
W5-3 (30")	1			1	1
W6-1 (30") & Plaque (24")	1		1		1
W6-2 (30") & Plaque (24")	1			1	1
W6-3 (30") & Plaque (24")	1		1		1
W8-1 (30")	6				
W8-2 (30")	2			2	2
W8-3 (30")	2			2	2
W8-5 (30") & Plaque (24")	1		1		1
W8-6 (30")	25	1			1
W9-2 (36")R	1			1	1
W9-2 (36")L	2			2	2
W10-1 (36")	31	5			5

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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County Calhoun

Sheet 6 of 7

Route County Wide Warning

Direction of Route _____

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
W11-10 (36")	2				
W11-15 (36")	2		1		1
W13-1 (18") (10 MPH)	3			3	3
W13-1 (18") (15 MPH)	15			15	15
W13-1 (18") (20 MPH)	4			4	4
W13-1 (18") (25 MPH)	31			31	31
W13-1 (18") (30 MPH)	53		2	51	53
W13-1 (18") (35 MPH)	104		4	100	104
W13-1 (18") (40 MPH)	38			38	38
W13-1 (18") (45 MPH)	7		2	5	7
W13-1 (18") (50 MPH)	2			2	2
W14-3 (36")	2				
Type III O.M. (12" x 36")R	73	12		12	24
Type III O.M. (12" x 36")L	113	13		48	61
Type III O.M. (12" x 48")R	21	3		1	4
Type III O.M. (12" x 48")L	21	4		3	7
Type III O.M. (24" x 48")R	24	5		2	7
Type III O.M. (24" x 48")L	28	5		6	11
"NO ACCESS TO I-69" (24" x 48")	1				
Special Sign Background (180" x 60")	1	1			1
SI-1 (30")	2		2		2
SI-1 (36")	40		32	8	40
S2-1 (36")	14		11	3	14
TOTAL	2456	172	62	851	1085

WORK SHEET

Sheet 1 of 12

FAS 23 (8 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
N. Union City Limits S. Calhoun Co. Line 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.011	East		R2-1 (24") (35 MPH)
0.040	West	1	Relocate R2-1 (24")(35 MPH) 825' N.
0.197	West	1	Relocated R2-1 (24") (35 MPH)
☉ M-60 @ M-60 0.210			
	West	3	Replace (2) G3-11 w/(2) D3-1
0.223	East	1	Erect R2-3a (24")
☉ Co. Rd. @ Co. Rd. 0.371			
	East	1	Replace RI-2-30 w/RI-1 (24")
0.494	West	1	Erect R2-5c (24")
0.796	East	1	Remove W2-2 (30")R
@ V Dr. S. ☉ V Dr. S. ☉ V Dr. S. @ V Dr. S. @ V Dr. S. 0.114 0.152 0.152 0.257 0.413 0.463 0.644 0.661 @ T Dr. N.			
	East	3	Replace (2) G3-11 w/(2) D3-1
	East		RI-1 (30")
	East	1	Remove W3-1 (30")
	East	1	Remove W2-2 (30") L
	West	1	Remove W2-2 (30") L
	East		WI-2 (30") L
	West		W2-2 (30") R
	West		WI-2 (30") R
	East	1	Replace WI-2 (30") R
	East	1	Remove W2-2 (30") L
	West		RI-1 (24")

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WORK SHEET

Sheet 2 of 2

FAS 23 (8 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ T Dr. S.	West	1	Remove W2-4 (30")
☉ T Dr. S. 0.798			
☉ T Dr. S. 0.000			
@ T Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
0.120	West	1	Remove W2-2 (30") R
0.141	West		W1-2 (30") L
0.583	East	1	Remove W12-7-24
0.623	East		W1-2 (30") L
0.705	West	1	Remove W12-7-24
0.764	East		W1-6 (48")
0.779	East		W1-6 (48")
0.934	West		W1-2 (30") R
1.196	East	1	Remove W2-1 (30")
@ R Dr. S.	West		R1-1 (30")
@ R Dr. S.	West	1	Remove W2-1 (30")
☉ R Dr. S. 1.343			
☉ R Dr. S. 0.000			
@ R Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ R Dr. S.	East		R1-1 (24")
@ R Dr. S.	East		W3-1 (30")
0.015	East		W1-2 (30") L
0.139	West	1	Remove W2-1 (30")
0.271	East		W1-2 (30") L
0.293	East	1	Remove W2-2 (30") R
0.309	West		W1-2 (30") R
☉ 7 1/2 Mi. Rd. 0.434			

WORK SHEET

HIGHWAY LIBRARY
MICHIGAN DEPARTMENT OF STATE
HIGHWAYS

FAS 23 (8 Mile Rd.)

LANSING, MICH.
P. O. DRAWER "K" 48904

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 7 1/2 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
@ 7 1/2 MI. Rd.	East	1	Replace RI-1 (24")
@ 7 1/2 MI. Rd.	East	1	Remove W3-1 (30")
0.526	West	1	Remove W2-2 (30") L
0.572	West	1	Replace WI-2 (30") R
0.583	East	1	Remove W2-1 (30")
0.610	East		WI-2 (30") R
@ Q Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Q Dr. S.	West		RI-1 (30")
@ Q Dr. S.	West	1	Remove W2-1 (30")
@ Q dr. S. 0.737			
@ Q Dr. S. 0.000			
@ Q Dr. S.	East		RI-1 (24")
@ Q Dr. S.	East		Remove W2-1 (30")
0.132	West	1	Remove W2-1 (30")
0.236	East	1	Erect Type III O.M. (12"x36") L
0.250	West	1	Erect Type III O.M. (12"x36") L
0.598	East	1	Remove W2-2 (30") L
0.682	West		WI-2 (30") L
@ P Dr. S.	West		RI-1 (30")
@ P Dr. S.	West	1	Remove W2-4 (30")
@ P Dr. S. 0.747			
@ P Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
0.893	West	1	Remove W2-2 (30") R
0.983	East	1	Remove W2-2 (30") R
@ O Dr. S. 1.107			

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WORK SHEET

Sheet 4 of 2

FAS 23 (7 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ O Dr. S. 0.000		
@ O Dr. S.	East	3 Replace (2) G3-11 w/(2) P3-1
@ O Dr. S.	East	RI-1 (24")
@ O Dr. S.	East	1 Replace W2-4 (30") w/W3-1 (30")
0.146	West	1 Remove W2-2 (30") L
0.343	East	W2-1 (30")
☉ N Dr. S. 0.515		
0.661	West	W2-1 (30")
1.126	East	1 Remove W2-2 (30") R
@ M Dr. S.	East	3 Replace (2) G3-11 w/(2) D3-1
☉ M Dr. S. 1.282		
@ M Dr. S.	East	RI-1 (30")
@ M Dr. S.	East	1 Replace W3-1 (30")
1.440	West	1 Remove W2-2 (30") L
1.812	East	1 Replace W1-2 (30") R w/W3-1 (36")
1.838	East	1 Replace W2-4 (30") w/W2-5 (30")
1.950		
☉ of Y Intersection		
1.960	West	2 Replace RI-2-36 w/RI-2 (36")
1.972	West	W1-7 (48")
1.972	West	3 Replace G2-2
		<p>A diagram showing a road intersection. A horizontal road labeled 'M-66' runs through the center. Above it, a road labeled 'BATTLE' runs horizontally. Below it, a road labeled 'CREEK' runs horizontally. To the right, a road labeled 'MAIN ST' runs vertically. At the intersection of M-66 and BATTLE, there are labels 'V' above and 'I' below. At the intersection of M-66 and CREEK, there are labels 'V' above and 'I' below. At the intersection of M-66 and MAIN ST, there are labels 'A' above and 'A' below. A double-headed arrow points from the 'BATTLE' road towards the 'CREEK' road.</p>
		w/DI-3
☉ K Dr. S. 1.997		
☉ 7 MI. Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ 7 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
0.017	South	2 Replace RI-2-36 w/RI-2 (36")

WORK SHEET

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Sheet 5 of 12

FAS 23 (K Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.017	South	3	Replace D1-3a w/D1-1a
			<div style="border: 1px solid black; padding: 2px; display: inline-block;"> UNION CITY 8 MILE ← </div>
0.038			<div style="border: 1px solid black; padding: 2px; display: inline-block;"> ← UNION CITY 8 </div>
0.139	North	1	Replace W2-2 (30") L w/W2-3 (30") L
0.191	North	1	Remove W1-2 (30") L
0.368	South	1	Erect W13-1 (18") (35 MPH) on W1-2 (30") L
0.501			
0.538	North	2	Replace R1-2-36 w/R1-2 (36")
@ 7 1/2 MI. Rd.	South	1	Erect R1-1 (24")
@ 7 1/2 MI. Rd. 0.570			
	FAS 23 (7 1/2 Mile Rd.)		
@ K Dr. S.	South	1	Replace W3-2 (30") w/W3-2 (36")
@ K Dr. S. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ K Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
0.036	East	1	Replace R1-2-36 w/R1-2 (36")
0.055			
@ K Dr. S. (Ext.)			
0.202	West	1	Replace W1-2 (30") R & Erect W13-1 (18") (35 MPH)
0.347	East	1	Remove W2-1 (30")
@ J Dr. S.	West		R1-1 (30")
@ J Dr. S.	West		W3-1 (30")
@ J Dr. S. 0.507			
@ J Dr. S. 0.000			
0.141	East		W1-2 (30") R
0.156	West		W2-1 (30")
0.322	East		W1-2 (30") L

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WORK SHEET

Sheet 6 of 12

FAS 23 (7 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.423	West		W1-2 (30")L
0.671	West		W1-2 (30")R
0.678	East		W1-2 (30")R
0.919	East	1	Remove W2-2 (30")L
@ H Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ H Dr. S.	West		R1-1 (30")
@ H Dr. S.	West	1	Remove W2-4 (30")
@ H Dr. S.	1.040		
@ H Dr. S.	0.000		
	0.011	West	W1-2 (30")L
	0.138	West	W2-2 (30")P
	0.223	East	1 Erect W13-1 (18")(45 MPH) on W1-4 (30")R
	0.442	East	1 Remove W2-2 (30")R
@ G Dr. S.	0.589		
	0.726	East	2 Replace R1-2-36 w/R1-2 (36")
	0.726	East	W1-6 (48")
		FAS 23 (8 Mile Rd.)	
@ 8 Mile Rd. (Ext.)	0.753		
	0.904	West	1 Erect W13-1 (18")(45 MPH) on W1-4 (30")P
	0.984	East	1 Remove W2-1 (30")
@ F Dr. S.		West	R1-1 (24")
@ F Dr. S.		West	W3-1 (30")
@ F Dr. S.	1.128		
@ F Dr. S.	0.000		
@ F Dr. S.		East	3 Replace (2) G3-11 w/(2) D3-1
@ F Dr. S.		East	R1-1 (24")

WORK SHEET

FAS 23 (8 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.146	West	1	Remove W2-1 (30")
0.871	East	1	Remove W2-1 (30")
@ D Dr. S.	West	1	Relocate RI-1 (24") 100' E.
@ D Dr. S.	West		W3-1 (30")
@ D Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
Q D Dr. S. 1.020			
Q D Dr. S. 0.000			
@ D Dr. S.	East		RI-1 (30")
@ D Dr. S.	East	1	Replace W3-1 (30") w/W3-1 (36")
0.144	West		W2-1 (30")
0.846	East		W2-1 (36")
Q B Dr. S. 1.020			
Q B Dr. S. 0.000			
0.148	West		W2-1 (36")
0.804	East	1	Erect W13-1 (18") (35 MPH) on W1-2 (30")L
0.889	East	1	Remove W2-4 (30")
0.951			
Q 8 Mi. Rd. (Ext.)			
0.970	West	1	Erect RI-2 (36")
@ Division Dr.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Division Dr.	East	1	Erect RI-2 (36")
Q Division Dr. 1.004			
	FAS 23 (Division Dr.)		
@ 8 Mi. Rd.	North		W1-7 (48")
Q 8 Mi. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.028	South		W1-7 (48") facing west
0.042	North	2	Replace RI-2-36 w/RI-2 (36")

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WORK SHEET

Sheet 8 of 2

FAS 23 (Division Dr.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.061 C 8 Mi. Rd. (Ext.)		
0.152	South	1 Remove W2-2 (30") R
0.197	South	1 Replace W1-2 (30") R & Erect W13-1 (18") (35 MPH)
0.257	North	1 Erect W13-1 (18") (40MPH) on W1-2 (30")R
0.417 C Division Dr. (Ext.)		
0.436	South	2 Replace R1-2-36 w/R1-2 (36")
0.526 C Beadle Lk. Rd.		
	FAS 23 (Beadle Lake Rd.)	
0.000 C Division Dr.		Blacktop - White Skip - No Pass Yellow
0.078	East	3 Replace (2) G3-11 w/(2) D3-1
0.082	East	2 Replace R1-2-36 w/R1-2 (36")
0.093 C Division Dr. (Ext.)		
0.273	East	Type III O.M. (12"x48") L
0.273	West	Type III O.M. (12"x48") R
0.279	East	Type III O.M. (12"x48") R
0.279	West	Type III O.M. (12"x48") L
0.282	West	1 Erect W13-1 (18") (40 MPH) on W1-2(30")L
0.686	East	2 Replace W9-1-30 w/S1-1 (36")
0.829	East	1 Relocated R2-5c (24")
0.916	East	1 Raise W2-1 (30") to 5' B.H.
0.960	East	2 Replace R2-5c (18") w/R2-5c (24") & relocate 690' S.
1.003	West	1 Erect R2-3a (24")
1.018 C B Dr. N.		
0.000 C B Dr. N.		
0.021	West	1 Remove "SPEED ZONE ENDS" Sign
0.027	East	R2-1 (24") (45 MPH)

WORK SHEET

FAS 23 (Beadle Lake Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.084	West		W2-1 (30")
0.097	West	2	Replace W9-1-30 w/S1-1 (36")
0.152	West		R2-1 (24") (45 MPH)
0.242	East	1	Remove R2-1 (24") (45 MPH)
0.394	East		W2-2 (30") R
⊕ Anway Dr. 0.436			
@ Anway Dr.	East	1	Erect R1-1 (24")
@ Anway Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
0.453	East	1	Replace W1-5 (30")L w/W1-4 (30")L
0.453	West	1	Raise R2-1 (24") (45 MPH) to 5' B.H.
@ C Dr. N	East	3	Replace (2) G3-11 w/ (2) D3-1
⊕ C Dr. N. 0.510			
@ C Dr. N.	East	1	Relocate R1-1 (30") 100' W.
@ C Dr. N.	East	1	Remove W2-4 (30")
0.581	East		R2-1 (24") (45 MPH)
⊕ Hollisan Beach Rd. 0.618			
@ Hollisan Beach Rd.	East	1	Erect R1-1 (24")
@ Hollisan Beach Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ Co. Rd. 0.796			
@ Co. Rd.	East		R1-1 (30")
0.961	West	1	Erect W1-4 (30") L
0.998	East	1	Remove W2-2 (30") L
1.031	West		R2-1 (24") (45 MPH)
@ D Dr. N.	West		R1-1 (30")
@ D Dr. N.	West		W3-1 (30")
⊕ D Dr. N. 1.078			

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WORK SHEET

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FAS 23 (Beadle Lake Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ D Dr. N. 0.000		
@ D Dr. N.	West	3 Replace (2) G3-11 w/(2) D3-1,
0.076	West	W2-2 (30") R
☉ Kistler Rd. 0.122		
@ Kistler Rd.	East	R1-1 (24")
@ Kistler Rd.	East	3 Replace (2) G3-11 w/(2) D3-1
0.129	East	R2-1 (24") (45 MPH)
0.167	West	1 Remove Type III O.M. (12"x48")R
0.178	West	Type III O.M. (12"x48")L
0.198	West	1 Remove W1-5 (30")R
0.261	East	W2-2 (30")R
☉ E Dr. N. (E.) 0.343		
@ E Dr. N. (E.)	East	(2) D3-1
@ E Dr. N. (E.)	East	R1-1 (30")
@ E Dr. N. (E.)	East	1 Remove W3-1 (30")
☉ I-94 0.430		
0.449	West	W2-2 (30") L
0.462	East	W2-1 (30")
@ E Dr. N. (W.)	West	R1-1 (30")
@ E Dr. N. (W.)	West	W3-1 (30")
☉ E Dr. N. (W.) 0.534		
@ E Dr. N. (W.)	East	R1-1 (24")
@ E Dr. N. (W.)	East	3 Replace (2) G3-11 w/(2) D3-1
0.566	East	R2-1 (24") (45 MPH)
0.566	West	1 Erect R2-1 (24") (45 MPH)
0.615	West	W2-1 (30")

WORK SHEET

FAS 23 (Beadle Lake Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.783	West	W1-2 (30"R
0.949	West	1 Remove R2-1 (24")(45 MPH)
1.042	East	1 Remove R2-1 (24")(45 MPH)
1.306	East	I6-3 (30")
1.343	East	1 Relocated R2-1 (24")(35 MPH)
1.343	West	1 Relocated R2-1 (24")(5 MPH)
1.347	East	1 Remove W2-1 (30")
1.358	East	1 Relocate R2-1 (24")(35 MPH) 80' S.
1.373	West	1 Relocate R2-1 (24")(45 MPH) 160' S.
Golden Ave. 1.438		
Golden Ave. 0.000		
0.027	East	1 Replace R7-5 (12")
0.055	West	R7-5 (12")
0.065	West	1 Remove W2-1 (30")
0.099	West	1 Relocate R2-1 (24")(35 MPH) 1,615' N.
McCormick 0.108		
McCormick	East	R1-1 (30")
McCormick	East	3 Replace (2) G3-11 w/(2) D3-1
0.116	East	1 Relocate R2-1 (24")(35 MPH) 1,525' N.
0.122	West	I6-3 (30")
S River Dr. 0.165		
S River Dr.	East	3 Replace (2) G3-11 w/(2) D3-1
S River Dr.	East	R1-1 (30")
0.269	East	1 Replace Type III O.M. (12"x36")L
0.269	West	1 Replace Type III O.M. (12"x36")R
0.292	East	1 Replace Type III O.M. (12"x36")R
0.292	West	1 Replace Type III O.M. (12"x36")L

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 23 (8 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	14	1		4	5
R1-1 (30")	15				
R1-2 (36")	10		7	3	10
R2-1 (24") (35 MPH)	5				
R2-1 (24") (45 MPH)	9			1	1
R2-3a (24")	2			2	2
R2-5c (24")	2		1	1	2
R7-5 (12")	2	1			
"NO DUMPING" (24")	1				
W1-2 (30")R	13	4			4
W1-2 (30")L	12				
W1-4 (30")R	2				
W1-4 (30")L	2			2	2
W1-6 (48")	3				
W1-7 (48")	3				
W2-1 (30")	8				
W2-1 (36")	2				
W2-2 (30")P	5				
W2-2 (30")L	1				
W2-3 (30")L	1			1	1
W2-5 (30")	1			1	1
W3-1 (30")	9	1		1	2
W3-1 (36")	2			2	2

WORK SHEET

FAS 24 (22 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ S. Co. Line Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
0.010	East	3 Erect I2-2
0.148	West	1 Remove W2-2 (30")L
0.362	East	1 Remove W2-1 (30")
@ W Dr. S.	West	RI-1 (24")
@ W Dr. S.	West	1 Remove W3-1 (30")
☉ W Dr. S. 0.507		
☉ W Dr. S. 0.000		
@ W Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
@ W Dr. S.	East	RI-1 (30")
@ W Dr. S.	East	1 Remove W3-1 (30")
0.148	West	1 Remove W2-1 (30")
0.754	East	Type III O.M. (12"x36")L
0.754	West	Type III O.M. (12"x36")R
0.764	East	Type III O.M. (12"x36")R
0.764	West	Type III O.M. (12"x36")L
1.377	East	W3-1 (36")
@ T Dr. S.	East	1 Erect RI-3 (12") on RI-1 (30") & relocate 70' N.
☉ T Dr. S. 1.525		
☉ T Dr. S. 0.000		Begin White Skip
@ T Dr. S.	West	1 Erect RI-3 (12") on RI-1 (30") & relocate 60' S.
0.146	West	1 Replace W3-1 (36")
0.870	East	1 Remove W2-1-24
@ R Dr. S.	West	W3-1 (36")
@ R Dr. S.	West	1 Replace RI-1 (24") w/RI-1 (30")

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WORK SHEET

Sheet 2 of

FAS 24 (22 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ R Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ R Dr. S. 1.016			
⊕ R Dr. S. 0.000			
@ R Dr. S.	East		W3-1 (30")
@ R Dr. S.	East	1	Replace R1-1 (24")
0.147	West	1	Remove W2-1 (30")
0.404	East		Type III O.M. (12"x36")L
0.404	West		Type III O.M. (12"x36")R
0.417	East		Type III O.M. (12"x36")R
0.417	West		Type III O.M. (12"x36")L
0.769	East	1	Replace W10-1 (36")
0.820	East		R15-1 (w/Flashers)
0.825	West		R15-1 (w/Flashers)
0.848	East	1	Remove W2-2 (30")R
0.870	East		W5-2 (30")
0.878	West		W10-1 (36")
1.015	West	1	Relocate Type III O.M. (12"x36") R 50' N.
⊕ P Dr. S. 1.016			
⊕ P Dr. S. 0.000			
@ P Dr. S.	West		W1-7 (48")
@ P Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ P Dr. S.	East		R1-1 (30")
@ P Dr. S.	East	1	Remove W2-4 (30")
0.008	East		Type III O.M. (12"x36")L
0.008	West	1	Relocated Type III O.M. (12"x36") R
0.021	East		Type III O.M. (12"x36") R

WORK SHEET

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Sheet 3 of 7

FAS 24 (22 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.025	West	1 Relocated Type III C.M. (12"x36") L
0.063	West	1 Relocated Type III O.M. (12"x36") L 200' S.
0.152	West	W2-2 (30")L
0.168	West	W5-2 (30")
⊕ Co. Rd. 0.264		
@ Co. Rd.	West	W1-7 (48")
@ Co. Rd.	East	1 Erect RI-1 (24")
@ Co. Rd.	East	1 Remove W2-4 (30")
⊕ M-60 0.295		
⊕ M-60 0.000		
@ M-60	West	3 Replace (2) G3-11 w/(2) D3-1
0.578	East	W2-1 (30")
@ N Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
@ N Dr. S.	West	RI-1 (24")
@ N Dr. S.	West	W3-1 (30")
⊕ N Dr. S. 0.726		
⊕ N Dr. S. 0.000		
@ N Dr. S.	East	RI-1 (30")
@ N Dr. S.	East	1 Remove W3-1 (30")
0.147	West	1 Remove W2-1 (30")
0.837	East	1 Replace W3-1 (30") w/W3-1 (36")
@ L Dr. S.	East	RI-1 (30")
⊕ L Dr. S. 0.982		
@ L Dr. S.	North	W1-7 (48")
⊕ L Dr. S. 0.000		Blacktop - White Skip - No Pass Yellow
@ L Dr. S.	West	RI-1 (30")

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WORK SHEET

Sheet 4 of

FAS 24 (20 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.151	West	1	Replace W2-1 (30") w/W3-1 (36")
0.872	East		W2-2 (30") R
⊕ J Dr. S. 1.018			
⊕ J Dr. S. 0.000			
@ J Dr. S.	West		W1-7 (48")
@ J Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ J Dr. S.	East	1	Replace RI-1 (24")
@ J Dr. S.	East		W3-1 (30")
0.144	West	1	Remove W2-2 (30")L
1.377	East	1	Remove W2-2 (30")R
@ G Dr. S.	East	3	Replace (2) G3-11 w/(3) D3-1
⊕ G Dr. S. 1.521			
⊕ G Dr. S. 0.000			
@ G Dr. S.	East	1	Erect RI-1 (24")
0.147	West	1	Remove W2-2 (30")L
0.366	East	1	Replace W3-1 (30") w/W3-1 (36")
@ F Dr. S.	East		RI-1 (30")
⊕ F Dr. S. 0.509			
@ F Dr. S.	North		W1-7 (48")
	FAS 24 (19 1/2 Mile Rd.)		
@ F Dr. S.	South	1	Erect W1-7 (48")
⊕ F Dr. S. 0.000			Blacktop - White Skip - No Pass Yellow
@ F Dr. S.	West		RI-1 (24")
@ 19 1/2 MI. Rd. (Ext.)	East	2	Replace RI-2-36 w/RI-2 (36")
@ 19 1/2 MI. Rd. (Ext.)	East	1	Remove "SLOW" Sign
⊕ 19 1/2 MI. Rd. (Ext.) 0.065			

WORK SHEET

Sheet 5 of 7

FAS 24 (19 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.120	West	1	Remove W2-4 (30")
0.139	West	1	Relocated W3-1 (36")
0.158	West	1	Relocate W3-1 (36") 100' S.
0.198	West	1	Remove W1-2 (30") L
0.198			Begin Yellow Skip
0.373	East		W2-2 (30")R
@ E Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ E Dr. S. 0.520			
@ E Dr. S.	West	1	Erect W1-7 (48")
@ E Dr. S.	East	1	Replace RI-2-36 w/RI-1 (30")
@ E Dr. S.	East	1	Remove W2-4 (30")
0.659	West		W2-2 (30")L
0.893	East	1	Replace W2-2 (30")L
@ D Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ D Dr. S.	West		RI-1 (30")
@ D Dr. S.	West	1	Remove W2-4 (30")
⊕ D Dr. S. 1.035			
⊕ D Dr. S. 0.000			
0.152	West	1	Remove W2-2 (30")R
0.547	East		W1-2 (30")L
0.586	East	1	Remove W2-4 (30")
⊕ 19 1/2 MI. Rd. 0.678 (Ext.)			
@ 19 1/2 MI. Rd. (Ext.)	West	2	Replace RI-2-36 w/RI-2 (36")
@ D Dr. S.	East	1	Erect RI-2 (36")
⊕ D Dr. S. 0.728			

WORK SHEET

FAS 24 (D Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ 19 1/2 Mi. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ Homer Rd.	East	2	Replace R1-2-36 w/R1-2 (36")
@ Homer Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
☉ Homer Rd. 0.061			
	FAS 24 (Homer Rd.)		
☉ D Dr. S. 0.000			Blacktop - Yellow Skip - No Pass Yellow
☉ B Dr. S. 0.083			
	East		W1-4 (30")L
	West		W1-2 (30")R
	West	1	Remove W2-2 (30")L
	East	1	Remove W2-2 (30")L
☉ B Dr. S. 0.452			
	West		W2-2 (30")R
	West	1	Replace W1-4 (30")L
	East		W1-2 (30")R
	East		W1-2 (30")L
	East		W1-2 (30")L
	West	1	Replace W1-2 (30")R
	East	1	Erect W13-1 (18") (40 MPH) on W1-2(30")R
	East	1	Remove W2-2 (30")L
	West		W1-6 (48") facing northwest
@ 18 1/2 MI. Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
☉ 18 1/2 MI. Rd. 1.877			
☉ 18 1/2 MI. Rd. 0.000			
	West	1	Replace W1-6 (48") facing southeast
	West	1	Remove W2-2 (30")R



QUANTITY SHEET

County Calhoun

Sheet 1 of 2

Route FAS 24 (22 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	7	2		2	4
RI-1 (30")	11			2	2
RI-2 (36")	4		3	1	4
RI-3 (12")	2			2	2
RI5-1 (w/Flashers)	2				
WI-2 (30")R	4	1			1
WI-2 (30")L	4				
WI-6 (48")	2	1			1
WI-7 (48")	7			2	2
WI-4 (30")L	2	1			1
W2-1 (30")	1				
W2-2 (30")R	4				
W2-2 (30")L	3	1			1
W3-1 (30")	3				
W3-1 (36")	7	1		3	4
W5-2 (30")	2				
W10-1 (36")	2	1			1
W13-1 (18")(40 MPH)	2			2	2
Type  O.M. (12"x36")R	6				
Type  O.M. (12"x36")L	6				

WORK SHEET

Sheet 1 of 1

FAS 29 (28 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ C Dr. N. 0.000			Concrete
@ C Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ C Dr. N.	East		R1-1 (36")
@ C Dr. N.	East		W3-1 (36")
0.009	East	1	Remove W4-2-36
0.034			Blacktop-White Skip-No Pass Yellow
0.079	East	1	Replace R2-1 (24")(50 MPH)
0.099	West		W2-1 (30")
0.555	East		R2-1 (30")
0.593	East		R2-1 (24")(50 MPH)
0.625	West		R2-1 (24")(50 MPH)
@ D Dr. N.	West	1	Replace R1-1 (24")
@ D Dr. N. 0.701			
@ D Dr. N. 0.000			
@ D Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ D Dr. N.	East		R1-1 (24")
@ D Dr. N.	East		W3-1 (30")
0.069	East		R2-1 (24")(50 MPH)
0.110	West	1	Remove W2-1 (30")
0.425	West	1	Relocated R2-1 (24")(50 MPH)
0.440	West	1	Relocate R2-1 (24")(50 MPH) 80' S.
0.579	East		R2-1 (24")(50 MPH)
0.980	West		R2-1 (24")(50 MPH)
1.134	East		R2-1 (24")(50 MPH)
1.474	West		R2-1 (24")(50 MPH)
1.660	East		R2-1 (24")(50 MPH)

WORK SHEET

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Sheet 2 of 9

FAS 29 (28 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.934	East		W2-1 (30")
2.000	West		R2-1 (24")(50 MPH)
@ H Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ H Dr. N. 2.039			
@ H Dr. N. 0.000			
@ H Dr. N.	East		R1-1 (24")
@ H Dr. N.	East		W3-1 (30")
0.106	West		W2-1 (30")
0.106	East		R2-1 (24")(50 MPH)
0.459	West		R2-1 (24")(50 MPH)
0.571	East		R2-1 (24")(50 MPH)
0.877	East		W2-1 (30")
0.955	West		R2-1 (24")(50 MPH)
@ J Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ J Dr. N.	West		R1-1 (30")
@ J Dr. N.	West	1	Replace W3-1 (30") w/W3-1 (36")
@ J Dr. N. 1.020			
@ J Dr. N. 0.000			
0.065	East		R2-1 (24")(50 MPH)
0.148	West		W2-1 (30")
0.436	West		R2-1 (24")(50 MPH)
0.563	East	1	Relocated R2-1 (24")(50 MPH)
0.709	East	1	Relocate R2-1 (24")(50 MPH) 770' S.
0.908	East		W1-2 (30")R
0.921	East	1	Remove W2-1 (30")
0.954	West		R2-1 (24")(50 MPH)

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WORK SHEET

Sheet 3 of 1

FAS 29 (28 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ L Dr. N. 1.029			
⊕ L Dr. N. 0.000			
@ L Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ L Dr. N.	East		R1-1 (30")
@ L Dr. N.	East		W3-1 (30")
0.068	East		R2-1 (24")(50 MPH)
0.103	East		W1-2 (30")L
0.108	West	1	Remove W2-1 (30")
0.123	East		W2-2 (30")R
0.167	West		W1-2 (30")L
⊕ M Dr. N. 0.261			
@ M Dr. N.	West		W1-7 (48")
@ M Dr. N.	East	3	Erect (2) D3-1
@ M Dr. N.	East		R1-1 (30")
@ M Dr. N.	East	1	Replace W3-1 (30")
0.353	West		R2-1 (24")(50 MPH)
0.376	West		W2-2 (30")L
0.397	West		W1-2 (30")R
0.398	East		W1-2 (30")L
0.455	East	1	Relocate R2-1 (24")(50 MPH) 595' N.
0.568	East	1	Relocated R2-1 (24")(50 MPH)
0.680	West	1	Replace W1-4 (30")L w/W1-2 (30")L
0.699	East		W1-2 (30")L
0.895	South		R2-1 (24")(50 MPH)
0.902	North	1	Relocate R2-1 (24")(50 MPH) 350' W.
0.968	North	1	Relocated R2-1 (24")(50 MPH)

WORK SHEET

FAS 29 (28 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.974	North		W1-2 (30")R
0.989	South		W1-2 (30")R
1.136	East		W1-2 (30")R
1.185	West		W1-2 (30")L
1.284	East		W1-2 (30")R
1.338	East		W2-2 (30")L
1.358	West		W1-2 (30")L
1.391	West		R2-1 (24")(50 MPH)
@ O Dr. N.	West		R1-1 (30")
@ O Dr. N.	West		W3-1 (30")
@ O Dr. N.	1.484		
	FAS 29 (27 1/2 Mile Rd.)		
@ O Dr. N.	0.000		
@ O Dr. N.	East	3	Replace (?) G3-11 w/(?) D3-1
0.073	East		R2-1 (24")(50 MPH)
0.123	West	1	Replace W1-2 (30")L
0.147	West		W2-2 (30")R
0.246	West		R2-1 (24")(50 MPH)
0.587	East		R2-1 (24")(50 MPH)
0.670	East		W2-2 (30")L
0.774	West		R2-1 (24")(50 MPH)
@ P Dr. N.	East	3	Replace (?) G3-11 w/(?) D3-1
@ P Dr. N.	West		R1-1 (24")
@ P Dr. N.	West		W3-1 (30")
@ P Dr. N.	0.786		
@ P Dr. N.	0.000		

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WORK SHEET

Sheet 3 of 3

FAS 29 (27 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.043	West	1	Remove W1-2 (30")R
0.037	East	1	Replace R2-1 (24")(50 MPH)
0.111	West	1	Remove W2-2 (30")R
0.479	West		R2-1 (24")(50 MPH)
0.601	East		R2-1 (24")(50 MPH)
0.673	East		W1-2 (30")R
0.930	East		W2-2 (30")L
0.931	West		W1-2 (30")L
0.951	East	2	Replace W9-1-30 w/S1-1 (36")
0.952	West		R2-1 (24")(50 MPH)
1.031	East	1	Relocate R2-1 (24")(50 MPH) 210' N.
Q R Dr. N. 1.040			
Q R Dr. N. 0.000			
0.038	East	1	Relocated R2-1 (24")(50 MPH)
0.107	West	1	Remove W2-2 (30")R
0.147	East	1	Remove W2-2 (30")R
0.189	West	2	Replace W9-1-30 w/S1-1 (36")
Q S Dr. N. 0.255			
0.320	East		R2-1 (24")(50 MPH)
0.350	West		R2-1 (24")(50 MPH)
0.370	West		W2-2 (30")L
0.863	East		R2-1 (24")(50 MPH)
0.881	West	1	Relocate R2-1 (24")(50 MPH) 480' N.
0.908	East		W2-2 (30")L
0.972	West	1	Relocated R2-1 (24")(50 MPH)
@ T Dr. N.	East		W1-7 (48")

WORK SHEET

FAS 29 (27 1/2 Mile Rd.)



REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ T Dr. N.	West		RI-1 (30")
@ T Dr. N.	West		W3-1 (30")
☉ T Dr. N. 1.033			
☉ T Dr. N. 0.000			
0.039	East		R2-1 (24")(50 MPH)
0.110	West		W2-2 (30")R
0.333	East	1	Replace WI-2 (30")L w/WI-1 (30")L & Erect WI3-1 (18")(30MPH)
0.386	West		R2-1 (24")(50 MPH)
☉ 27 1/2 Mi. Rd. (Ext.) 0.445			
@ 27 1/2 Mi. Rd. (Ext.)	West	2	Replace RI-2-36 w/RI-2 (36")
@ U Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ U Dr. N.	East	1	Replace RI-2-36 w/RI-2 (36")
☉ U Dr. N. 0.503			
	FAS 29 (U Drive N.)		
☉ 27 1/2 Mi. Rd. 0.000			
@ 27 1/2 Mi. Rd.	North	2	Replace RI-2-36 w/RI-2 (36")
@ 27 1/2 Mi. Rd.	North		W3-2 (36")
@ 27 1/2 Mi. Rd. (Ext.)	North	2	Replace RI-2-36 w/RI-2 (36")
☉ 27 1/2 Mi. Rd. (Ext.) 0.055			
0.095	North		R2-1 (24")(50 MPH)
0.173	South	1	Replace WI-2 (30")R w/WI-1 (30")R & Erect WI3-1 (18")(30 MPH)
0.248	South		R2-1 (24")(50 MPH)
0.534	North		R2-1 (24")(50 MPH)
0.623	North	1	Replace WI-2 (30")R w/WI-1 (30")R & Erect WI3-1 (18")(30 MPH)
0.669	North	1	Replace W2-1 (30")
0.679	South		Type III O.M. (12"x36")L

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WORK SHEET

Sheet 7 of

FAS 29 (U Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.679	North		Type III O.M. (12"x36")R
0.687	South		Type III O.M. (12"x36")R
0.687	North		Type III O.M. (12"x36")L
0.719	South		R2-1 (24")(50 MPH)
@ 26 1/2 Mi. Rd.	South		R1-1 (24")
@ 26 1/2 Mi. Rd.	South		W3-1 (30")
⊕ 26 1/2 Mi. Rd. 0.781			
	FAS 29 (26 1/2 Mile Rd.)		
⊕ U Dr. N. 0.000			
0.038	East	1	Erect R2-3a (24")
0.080	East		W1-2 (30")R
0.103	West	1	Remove R2-1 (24")(50 MPH)
0.122	West		R2-1 (30")
0.127	East	1	Remove R2-1 (24")(50 MPH) & "ENDS" panel
0.189	West	1	Erect R2-5c (24")
0.208	West	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
0.318	West	1	Remove R2-1 (24")(50 MPH) & R2-4-24
0.349	East	1	Replace W2-4 (30") w/W2-5 (30")
0.438	West	1	Replace W1-2 (30")L
⊕ Y Intersection 0.491			
@ 26 1/2 Mi. Rd. (E. Ext.)	West		R1-1 (30")
@ 26 1/2 Mi. Rd. (E. Ext.)	West	1	Replace W1-7 (48")
@ 26 1/2 Mi. Rd. (E. Ext.)	West	3	Replace G2-2  w/D1-1 
@ V Dr. N.	West	1	Erect R1-2 (36") facing west
⊕ V Dr. N. 0.562			

WORK SHEET

FAS 29 (V Drive N.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ 26 1/2 Mi. Rd. (E. Ext.) 0.000		
0.089	South	1 Replace W1-1 (30")L & Erect W13-1 (18")(15 MPH)
0.108	North	W3-1 (36")
0.150	South	W1-6 (48")
⊙ 27 Mi. Rd. 0.152		
	FAS 29 (27 Mile Rd.)	
⊙ V Dr. N. 0.000		
⊙ V Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
0.002	East	W1-6 (48")
0.049	East	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.125	West	1 Erect W13-1 (18")(15 MPH) on W1-1 (30")R
0.271	East	1 Erect Type III O.M. (12"x36")L
0.271	West	1 Erect Type III O.M. (12"x36")R
0.278	East	1 Erect Type III O.M. (12"x36")R
0.278	West	1 Erect Type III O.M. (12"x36")L
0.347	West	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.377	East	W2-2 (30")R
⊙ W Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
⊙ W Dr. N. 0.526		
⊙ W Dr. N.	East	R1-1 (30")
⊙ W Dr. N.	East	W3-1 (30")
0.674	West	W2-2 (30")L
0.686		Begin Yellow Skip
0.878	East	1 Remove W2-2 (30")L
1.013	West	1 Replace "ENTER CALHOUN COUNTY" w/[2-2
Base Line Dr.	West	R1-1 (24")

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 29 (26 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
P1-1 (24")	6	1			1
P1-1 (30")	7				
P1-1 (36")	1				
P1-2 (36")	5		3	2	5
P2-1 (24") (50 MPH)	44	2			2
P2-3a (24")	1			1	1
R2-5c (24")	1			1	1
W1-1 (30")R	3			2	2
W1-1 (30")L	3	1		2	3
W1-2 (30")R	9				
W1-2 (30")L	12	2		1	3
W1-6 (48")	2				
W1-7 (48")	3	1			1
W2-1 (30")	8	1			1
W2-2 (30")R	4				
W2-2 (30")L	6				
W2-5 (30")	1			1	1
W3-1 (30")	10	1			1
W3-1 (36")	3			1	1
W3-2 (36")	1				
W13-1 (18") (15 MPH)	2			2	2
W13-1 (18") (30 MPH)	4			4	4
W13-1 (18") (35 MPH)	2			2	2

WORK SHEET

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Sheet 1 of 5

FAS 68 (G Drive N.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ Old US-27	North	3	Replace (2) G3-11 w/(2) D3-1
⊙ Old US-27 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.165	North	1	Replace W1-1 (36"R) w/W1-2 (30"R) & Erect W13-1 (18")(40 MPH)
0.387	South		W1-6 (48")
@ 16 1/2 MI. Rd.	Southwest	3	Replace (2) G3-11 w/(2) D3-1
⊙ 16 1/2 MI. Rd. 0.417			
	FAS 68 (16 1/2 Mile Rd.)		
⊙ G Dr. N. 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.020	West		W1-6 (48")
0.208	West	1	Replace W1-1 (36"L) w/W1-2 (30"L) & Erect W13-1 (18")(40 MPH)
1.455	East		W2-2 (30"L)
@ J Dr. N.	West		R1-1 (30")
@ J Dr. N.	West	1	Replace W2-4 (30") w/W3-1 (36")
@ J Dr. N.	East	1	Erect W1-7 (48")
⊙ J Dr. N. 1.605			
	FAS 68 (16 Mile Rd.)		
⊙ J Dr. N. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ J Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
0.127	East		W1-2 (30"R)
0.146	West		W2-2 (30"R)
0.445	West	1	Replace W1-2 (30"L)
0.695	East		W1-2 (36"L)
0.824	East		W1-6 (48")
⊙ L Dr. N. 0.893			
@ L Dr. N.	West	1	Erect W1-7 (48")
@ L Dr. N.	East		R1-1 (24")

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WORK SHEET

Sheet 2 of 5

FAS 68 (16 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ L Dr. N.	East		W3-1 (30")
@ L Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
0.889	East		W8-6 (30")
0.945	East		W1-2 (36")R
⊙ I-69			
1.014			
1.058	West		W1-2 (30")R
1.062	East	1	Relocated D3-2 "16 MILE RD. → "
1.138	West		W8-6 (30")
1.138	East	3	Replace D3-2 "16 MILE RD. → " & relocate 400' S.
@ L Dr. N.	West	3	Replace (3) G3-11 w/(3) D3-1
@ L Dr. N.	West		R1-1 (24")
@ L Dr. N.	West		W3-1 (30")
⊙ L Dr. N.			
1.155			
⊙ L Dr. N.			
0.000			
@ L Dr. N.	West		R1-1 (30")
0.042	West	3	Replace D3-2 " ← 16 MILE RD." & Relocate 300' N.
0.082	East		W1-2 (30")L
0.099	West	1	Relocated D3-2 " ← 16 MILE RD."
0.142	East		W3-1 (30")
0.574	West		W1-2 (30")R
1.033	East	1	Replace W3-1 (30") w/W3-1 (36")
1.149	East	1	Relocated "N DRIVE NO. TRAFFIC DOES NOT STOP" (24")
@ N Dr. N.	East		R1-1 (30")
@ N Dr. N.	East	1	Relocate "N DRIVE NO. TRAFFIC DOES NOT STOP" (24") 200' S.
⊙ N Dr. N.			
1.193			
⊙ N Dr. N.			
0.000			

WORK SHEET

FAS 68 (16 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ N Dr. N.	West		RI-1 (30")
@ N Dr. N.	West	1	Relocate "N DRIVE NO. TRAFFIC DOES NOT STOP" (24") 300' N.
0.063	West	1	Relocated "N DRIVE NO. TRAFFIC DOES NOT STOP" (24")
0.144	West	1	Replace W3-1 (30") w/W3-1 (36")
0.835	East	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")R
0.995	West		(2) W1-6 (48")
1.069	West		W1-6 (48")
1.089	East		W2-2 (30")L
1.109	East		W1-2 (30")L
1.176	West	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")L
@ Q Dr. N.	West		RI-1 (24")
@ Q Dr. N.	West		W3-1 (30")
@ Q Dr. N.	East	1	Erect W1-7 (48")
@ Q Dr. N.	1.204		
@ Q Dr. N.	0.000		
@ Q Dr. N.	West		RI-1 (24")
@ Q Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
0.150	West	1	Replace W2-2 (30")R
0.189	West	1	Replace W1-2 (30")R
0.560	East		W1-2 (30")R
0.724	East		W1-2 (30")L
0.878	West		W1-2 (30")L
1.050	West		W1-2 (30")R
1.337	East	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
1.490	East		W1-6 (48")
1.496	East		W1-6 (48")

WORK SHEET

FAS 68 (16 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.521	East	1	Remove W2-2 (30"R)
⊕ Garfield Rd. 1.610			
	FAS 68 (Junction Rd.)		
⊕ Garfield Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.042	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30"R)
0.141	West	1	Remove W2-2 (30")L
0.572	East	1	Remove W2-2 (30"R)
⊕ Ackley Rd. 0.707			
⊕ Ackley Rd. 0.000			
@ Ackley Rd.	East		R1-1 (24")
@ Ackley Rd.	East		W3-1 (30")
0.032	East	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.141	West	1	Remove W2-2 (30")L
0.314	West	1	Replace W1-2 (30")R & Erect W13-1 (18")(35 MPH)
0.423	East	1	Replace W1-2 (30")R w/W1-4 (30")R & Erect W13-1 (18")(40 MPH)
0.653	East	1	Remove W1-2 (30")L
0.709	West	1	Remove W1-2 (30")L
0.870	East	1	Remove W2-2 (30")R
0.897	West	1	Replace W1-2 (30")R w/W1-4 (30")R & Erect W13-1 (18")(40 MPH)
⊕ 16 MI. Rd. 1.016			
⊕ 16 MI. Rd. 0.000			
@ 16 MI. Rd.	East	1	Replace R1-1 (24")
@ 16 MI. Rd.	East	1	Replace W2-4 (30") w/W3-1 (30")
@ 16 MI. Rd.	East	3	Replace (?) G3-11 w/(?) D3-1
0.048	West		W2-2 (30")L
0.881	East	1	Erect W13-1 (18") (30 MPH) on W1-1 (30")R

County CalhounSheet 1 of 2Route FAS 68 (G Drive N.)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	6	1			1
RI-1 (30")	5			1	1
(24") "N DRIVE NO. TRAFFIC DOES NOT STOP"	2				
WI-1 (30")R	1				
WI-2 (30")R	10	2		1	3
WI-2 (30")L	10	1		1	2
WI-2 (36")R	1				
WI-2 (36")L	1				
WI-4 (30")R	2			2	2
WI-6 (48")	8				
WI-7 (48")	3			3	3
W2-2 (30")R	2	1			1
W2-2 (30")L	3				
W2-3 (30")R (Inverted)	1			1	1
W2-3 (30")L	1			1	1
W3-1 (30")	6			1	1
W3-1 (36")	3			3	3
W8-6 (30")	2				
W13-1 (18")(30 MPH)	1			1	1
W13-1 (18")(35 MPH)	4			4	4
W13-1 (18")(40 MPH)	6			6	6

1.50

WORK SHEET

Sheet 1 of 5

FAS 383 (V Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ W. Co. Line Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ W. Co. Line Rd.	North		(2) D3-1
@ W. Co. Line Rd.	South		RI-1 (30")
0.014	South	3	Erect I2-2
0.167	North	1	Remove W2-2 (30")L
0.259	South	1	Remove W2-2 (30")R
☉ 1/2 MI. Rd. 0.494			
@ 1/2 MI. Rd.	North	3	(2) D3-1
@ 1/2 MI. Rd.	South		RI-1 (24")
@ 1/2 MI. Rd.	South		W3-1 (30")
0.640	North	1	Remove W2-2 (30")L
0.854	South	1	Remove W2-2 (30")L
@ 1 MI. Rd.	North		(2) D3-1
@ 1 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
@ 1 MI. Rd.	North	1	Replace W3-2 (30") w/W3-1 (30")
@ 1 MI. Rd.	South	1	Erect W1-7 (48")
☉ 1 MI. Rd. 1.005			
☉ 1 MI. Rd. 0.000			
0.148	North	1	Remove W2-2 (30") R
0.850	South	1	Erect W13-1 (18") (25 MPH) on W1-3 (30")R
1.010	North		W1-6 (48") facing west
1.020	North		W1-6 (48") facing south
1.044	South	1	Remove W2-2 (30")R
@ 2 MI. Rd.	South		(1) D3-1 "V DR. S."
@ 2 MI. Rd.	South	3	Erect (1) D3-1 "2 MILE RD."
☉ 2 MI. Rd. 1.144			

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Sheet 7 of 6

FAS 383 (V Drive S.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
☉ 2 MI. Rd. 0.000			
@ 2 MI. Rd.	South	2	Replace R1-2-36 w/R1-2 (36")
@ 2 MI. Rd.	South		W2-4 (30")
0.140	North		W2-2 (30")L
0.158	North	1	Erect W13-1 (18")(25 MPH) on W1-3 (30")R
0.177	South	1	Erect R2-5c (24")
W. Athens Limits 0.461			
0.461	North	1	Erect R2-3a (24")
	FAS 383 (U Drive S.)		
E. Athens Limits 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.000	South	1	Erect R2-3a (24")
0.162	South	1	Replace W1-2 (24")L w/W1-2 (30")L
0.284	North	1	Erect R2-5c (24")
0.398	South	1	Remove W2-2 (30")L
0.520	North		W1-2 (30")R
@ 4 MI. Rd.	North	2	Replace R1-2-36 w/R1-2 (36")
@ 4 MI. Rd.	North		W3-2 (30")
@ 4 MI. Rd.	North		(2) D3-1
☉ 4 MI. Rd. 0.545			
☉ 4 MI. Rd. 0.000			
0.141	North	1	Remove W2-2 (30")R
1.013	South		W2-2 (30")L
	FAS 383 (T Drive S.)		
@ 5 MI. Rd.	North	2	Replace R1-2-36 w/R1-2 (36")
@ 5 MI. Rd.	North	1	Replace W2-4 (24") w/W2-4 (30")
☉ 5 MI. Rd. 1.150			

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WORK SHEET

Sheet 3 of

FAS 383 (T Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ 5 MI. Rd. 0.000		
@ 5 MI. Rd.	North	(2) D3-1
0.038	South	W1-2 (30"R)
0.133	South	1 Remove W2-2 (30"R)
0.150	North	1 Remove W2-2 (30"R)
@ 5 1/2 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
⊕ 5 1/2 MI. Rd. 0.275		
@ 5 1/2 MI. Rd.	South	1 Replace R1-2-30 w/R1-1 (24")
@ 5 1/2 MI. Rd.	South	1 Replace W2-4 (30") w/W3-1 (30")
0.360	North	W1-2 (30"L)
0.425	North	Remove W2-2 (30"L)
0.895	South	1 Erect W3-2 (36")
@ 6 MI. Rd.	South	2 Replace R1-2-36 w/R1-2 (36")
@ 6 MI. Rd.	South	(2) D3-1
⊕ 6 MI. Rd. 1.042		
@ 6 MI. Rd.	East	W1-7 (48")
	FAS 383 (U Drive S.)	
@ 6 MI. Rd.	West	W1-7 (48")
⊕ 6 MI. Rd. 0.000		Blacktop - Yellow Sklp - No Pass Yellow
@ 6 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 6 MI. Rd.	North	R1-1 (30")
0.144	North	1 Replace W3-1 (30") w/W3-1 (36")
0.308	South	1 Raise W1-2 (30"R) to 5' B.H.
0.633	North	W1-2 (30"L)
0.910	South	1 Remove W2-1 (30")
@ 7 MI. Rd.	North	1 Replace R1-2-36 w/R1-1 (24")

WORK SHEET

FAS 383 (U Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ 7 MI. Rd.	North	1 Replace W2-1 (30") w/W3-1 (30")
Q 7 MI. Rd. 1.055		
Q 7 MI. Rd. 0.000		
@ 7 MI. Rd.	North	3 Replace (?) G3-11 w/(2) D3-1
@ 7 MI. Rd.	South	2 Replace RI-2-36 w/RI-2 (36")
@ 7 MI. Rd.	South	1 Replace W2-1 (30") w/W3-2 (30")
0.086	South	WI-2 (30")L
0.144	North	1 Remove W2-1 (30")
0.452	North	WI-2 (30")R
1.064	South	1 Replace W3-1 (30") w/W3-1 (36")
@ 8 MI. Rd.	South	RI-1 (30")"
@ 8 MI. Rd.	South	3 Replace (?) G3-11 w/(2) D3-1
Q 8 MI. Rd. 1.208		
	FAS 383 (6 Mile Rd.)	
Q U Dr. S. 0.000		Blacktop - Yellow Skip - No Pass Yellow
0.104	West	1 Erect W8-3 (30")
0.147	West	1 Remove W2-2 (30")L
0.160	East	1 Remove W2-1 (30")
Q T Dr. S. 0.303		Begin White Skip
@ T Dr. S.	East	3 Replace (?) G3-11 w/(2) D3-1
@ T Dr. S.	East	1 Replace RI-2-36 w/RI-1 (24")
@ T Dr. S.	East	1 Remove W2-4 (30")
0.447	West	1 Remove W2-1 (30")
9.934	East	1 Remove W2-2 (30")R
Q S Dr. S. 1.080		
Q S Dr. S. 0.000		

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WORK SHEET

Sheet 5 of

FAS 383 (6 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ S Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ S Dr. S.	East	1	Replace R1-2-30 w/R1-1 (24")
@ S Dr. S.	East	1	Replace W2-4 (24") w/W3-1 (30")
0.100	East	1	Remove W2-2 (30")L
0.139	West	1	Remove W2-2 (30")L
0.218	West		Type III O.M. (12"x48")R
0.220	East	1	Replace Type III O.M. (12"x36")L
0.223	West		Type III O.M. (12"x48")L
0.225	East		Type III O.M. (12"x48")R
0.242	East	1	Remove W2-2 (30")R
@ R Dr. S.	West		(2) D3-1
@ R Dr. S.	West	1	Replace R1-2-36 w/R1-1 (24")
@ R Dr. S.	West	1	Remove W2-4 (30")
@ R Dr. S. 0.244			
@ Q Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ Q Dr. S. 0.389			
@ Q Dr. S.	East	1	Replace R1-2-30 w/R1-1 (24")
@ Q Dr. S.	East	1	Remove W2-4 (30")
0.391	West	1	Remove W2-2 (30")R
0.538	West	1	Remove W2-2 (30")L
1.288	East	1	Remove W2-2 (30")R
1.378	East	1	Remove W2-2 (30")L
@ P Dr. S. 1.434			
@ P Dr. S. 0.000			
@ P Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ P Dr. S.	East	1	Replace R1-2-36 w/R1-1 (24")

WORK SHEET

FAS 383 (6 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ P Dr. S.	East.	1	Replace W3-2 (30") w/W3-1 (30")
@ O Dr. S.	East	1	Remove G3-11
@ O Dr. S.	West		(2) D3-1
@ O Dr. S.	West	1	Replace R1-2-36 w/R1-1 (24")
@ O Dr. S.	West	1	Remove W3-2 (30")
⊕ O Dr. S.	0.090		
	0.140	West	1 Remove W2-2 (30")L
	0.237	West	1 W2-2 (30")R
	0.720	East	1 Remove W2-1 (30")
	0.760	East	1 Erect W8-3 (30")
@ N Dr. S.	West	1	Replace R1-2-36 w/R1-1 (24")
@ N Dr. S.	West	1	Replace W2-1 (30") w/W3-1 (30")
@ N Dr. S.	East	1	Erect W1-7 (48")
⊕ N Dr. S.	0.865		
			FAS 383 (N Drive S.)
@ 6 Mi. Rd.	West	1	Erect W1-7 (48")
@ 6 Mi. Rd.	North		W2-1 (30")
⊕ 6 Mi. Rd.	0.000		Blacktop - White Skip - No Pass Yellow
@ 6 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 6 Mi. Rd.	North	1	Replace R1-1 (24")
	0.150	North	1 Replace W3-1 (30") w/W3-1 (36")
	0.841	South	1 Replace W3-1 (30") w/W3-1 (36")
@ 7 Mi. Rd.	South		R1-1 (30")
@ 7 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ 7 Mi. Rd.	0.984		

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET




SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 383 (V Drive S.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	12	1		10	11
R1-1 (30")	4				
R1-2 (36")	5		5		5
R2-3a (24")	2			2	2
R2-5c (24")	2			2	2
W1-2 (30")R	4				
W1-2 (30")L	4			1	1
W1-3 (30")R	2				
W1-6 (48")	2			2	2
W1-7 (48")	5			3	3
W2-1 (30")	1				
W2-2 (30")R	1				
W2-2 (30")L	2				
W2-4 (30")	2			1	1
W3-1 (30")	7			6	6
W3-1 (36")	4			4	4
W3-2 (30")	2			1	1
W3-2 (36")	1			1	1
W8-3 (30")	2			2	2
W13-1 (18") (25 MPH)	2			2	2
Type  O.M. (12"x36")L	1	1			1
Type  O.M. (12"x48")R	2				
Type  O.M. (12"x48")L	1				

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WORK SHEET

Sheet 1 of 1

FAS 387 (19 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ S. Co. Line Dr. 0.000			Blacktop - Yellow Skid - No Pass Yellow
@ S. Co. Line Dr.	East	1	Replace W2-1 (30") w/W3-1 (30")
@ S. Co. Line Dr.	East		R1-1 (24")
@ S. Co. Line Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
0.030	East	3	Erect 12-2
0.150	West		W2-1 (30")
0.366	East	1	Replace W2-2 (30")R
@ W Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
☉ W Dr. S. 0.509			
@ W Dr. S.	East	1	Replace R1-2-36 w/R1-1 (24")
@ W Dr. S.	East	1	Erect W3-1 (30")
0.657	West	1	Replace W2-2 (30")L
0.872	East		W2-2 (30")L
@ V Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ V Dr. S.	West	1	Replace R1-2-36 w/R1-1 (24")
@ V Dr. S.	West	1	Remove W2-4 (30")
☉ V Dr. S. 1.020			
☉ V Dr. S. 0.000			
0.142	West		W2-2 (30")R
0.362	East	1	Replace W2-2 (30")R
☉ U Dr. S. 0.505			
@ U Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ U Dr. S.	East	1	Replace R1-1 (24")
0.650	West		W2-2 (30")L
0.872	East	1	Replace W2-1 (30") w/W3-1 (30")
@ T Dr. S.	East		R1-1 (30")

WORK SHEET

Sheet 2 of 4

FAS 387 (19 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ T Dr. S. 1.018		
	FAS 387 (18 1/2 Mile Rd.)	
☉ T dr. S. 0.000		Blacktop - Yellow Sklp - No Pass Yellow
@ T Dr. S.	West	1 Replace R1-1 (30")
0.148	West	1 Replace W3-1 (30") w/W3-1 (36")
0.798	East	W10-1 (36")
0.854	East	1 Replace R15-1 & replace "I TRACK" sign w/R15-2
0.860	West	1 Replace R15-1 & replace "I TRACK" sign w/R15-2
0.874	East	W2-2 (30")R
0.918	West	1 Raise W10-1 (36") to 5' B.H.
☉ R Dr. S. 1.018		
☉ R Dr. S. 0.000		
@ R Dr. S.	East	3 Replace (2) G3-11 w/(2) D3-1
@ R Dr. S.	East	R1-1 (24")
@ R Dr. S.	East	1 Remove W2-4 (30")
0.146	West	1 Remove W2-2 (30")L
☉ M-60 0.593		
@ M-60	West	3 Replace (2) G3-11 w/(2) D3-1
0.880	East	1 Remove W2-1 (30")
@ P Dr. S.	West	R1-1 (24")
@ P Dr. S.	West	1 Replace W2-1 (30") w/W3-1 (30")
☉ P Dr. S. 1.024		
☉ P Dr. S. 0.000		
@ P Dr. S.	East	1 Remove W2-1 (30")
@ P Dr. S.	East	R1-1 (24")
@ P Dr. S.	East	3 Replace (2) G3-11 w/(2) D3-1

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WORK SHEET

Sheet 3 of

FAS 387 (18 1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.146	West	1 Remove W2-1 (30")
0.878	East	1 Remove W2-2 (30")L
@ N Dr. S.	West	1 Replace W2-4 (30") w/W3-1 (30")
@ N Dr. S.	West	RI-1 (30")
⊕ N Dr. S. 1.022		
⊕ N Dr. S. 0.000		
@ N Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
0.146	West	W2-2 (30")R
0.824	East	1 Replace W3-1 (30") w/W3-1 (36")
@ L Dr. S.	East	RI-1 (36")
⊕ L Dr. S. 0.968		
⊕ L Dr. S. 0.000		
@ L Dr. S.	West	RI-1 (36")
0.149	West	1 Replace W3-1 (30") w/W3-1 (36")
1.888	East	1 Replace W2-2 (30")L
@ H Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
@ H Dr. S.	West	1 Replace RI-2-30 w/RI-1 (30")
@ H Dr. S.	West	1 Remove W3-2 (30")
⊕ H Dr. S. 2.035		
⊕ H Dr. S. 0.000		
0.125	West	1 Remove W2-2 (30")R
0.385	East	1 Remove W2-1 (30")
@ G Dr. S.	East	3 Replace (2) G3-11 w/(2) D3-1
@ G Dr. S.	West	1 Replace RI-1 (24")
@ G Dr. S.	West	1 Remove W2-1 (30")
⊕ G Dr. S. 0.510		

WORK SHEET

FAS 391 (Partello Rd.)

REFERENCE		LOCATION		PRIORITY & DESCRIPTION
@ 19 Mi. Rd.		East	3	Replace (2) G3-11 w/(2) D3-1
@ 19 Mi. Rd.		East	1	Replace W1-7-36 w/W1-7 (48")
@ 19 Mi. Rd.		West	1	Replace W3-1 (30") w/W3-1 (36")
@ 19 Mi. Rd.		West	1	Replace R1-1 (36")
⊕ 19 Mi. Rd.	0.000			Blacktop - White Skip - No Pass Yellow
	0.146	West		W2-2 (30")R
	0.176	East		W1-2 (30")L
	0.320	West	1	Remove R4-1 (24")
	0.409	West		W1-2 (30")R
	0.937	East		W1-2 (30")R
	1.149	East	1	Erect W13-1 (18")(35 MPH) on W1-4 (30")L
	1.216	West		W1-2 (30")L
⊕ Partello Rd. (N. Ext.)	1.288			
@ Partello Rd. (N. Ext.)		East		R1-1 (30")
	1.335	East	1	Replace W2-1 (30")
⊕ 20 Mi. Rd.	1.429			
⊕ 20 Mi. Rd.	0.000			
@ 20 Mi. Rd.		West	3	Replace (2) G3-11 w/(2) D3-1
@ 20 Mi. Rd.		East		R1-1 (30")
@ 20 Mi. Rd.		East	1	Replace W3-1 (30") w/W3-1 (36")
@ G Dr. N.		West	1	Replace R1-1 (24")
⊕ G Dr. N.	0.060			
	0.099	South		W1-2 (30")L
	0.146	North		W2-1 (30")
	0.169	North	1	Erect W13-1 (18")(35 MPH) on W1-4 (30")L
	0.345	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L

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WORK SHEET

Sheet 2 of

FAS 391 (Partello Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.398	North	W1-2 (30"R
0.625	North	1 Erect W13-1 (18")(35 MPH) on W1-2 (30"R
0.885	South	W1-2 (30"R
1.202	North	W1-2 (30"L
@ 21 Mi. Rd.	North	R1-1 (24")
@ 21 Mi. Rd.	North	W3-1 (30")
@ 21 Mi. Rd. 1.215		
	FAS 391 (H Drive N.)	
@ 21 Mi. Rd. 0.000		Blacktop - White Skip - No Pass Yellow
@ 21 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 21 Mi. Rd.	South	R1-1 (30")
@ 21 Mi. Rd.	South	1 Replace W2-1 (30") w/W3-1 (30")
0.027	South	2 Replace W9-1-30 w/S1-1 (36")
0.150	North	W2-1 (30")
0.388	North	2 Replace W9-1-30 w/S1-1 (36")
0.800	South	1 Remove W8-1 (30")
1.107	North	1 Remove W8-1 (30")
1.131	South	W2-2 (30"R
@ 22 1/2 Mi. Rd. 1.281		
@ 22 1/2 Mi. Rd. 0.000		
@ 22 1/2 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
0.156	North	W2-2 (30"L
0.312	South	1 Replace W1-2 (30"L w/W1-1 (30"L & Erect W13-1 (18")(30 MPH)
0.360	South	W2-2 (30"L
@ H Dr. N. (Ext.) 0.455		
@ H Dr. N. (Ext.)	North	1 Replace R1-2-36 w/R1-1 (24")

WORK SHEET

FAS 391 (H Drive N.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ 23 MI. Rd.	South	W1-7 (48")
⊕ 23 MI. Rd. 0.511		
	FAS 391 (H Drive N.)	
⊕ H Dr. N. 0.000		Blacktop - White Skip - No Pass Yellow
@ H Dr. N.	West	1 Erect R1-1 (24")
@ H Dr. N. (Ext.)	West	3 Erect (2) D3-1
@ H Dr. N. (Ext.)	West	2 Replace R1-2-36 w/R1-2 (36")
⊕ H Dr. N. (Ext.) 0.055		
0.150	West	1 Remove W2-4 (30")
0.206	West	1 Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)
0.284	East	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.453	West	1 Erect W1-6 (48") facing south
0.577	South	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.646	North	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.747	South	1 Erect W1-6 (48") facing north
0.914	West	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")R
1.064	East	1 Remove W2-1 (30")
@ J Dr. N.	West	R1-1 (24")
@ J Dr. N.	West	W3-1 (30")
@ J Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
⊕ J Dr. N. 1.216		
⊕ J Dr. N. 0.000		Begin Yellow Skip
@ J Dr. N.	East	1 Replace R1-1 (30")
@ J Dr. N.	East	W3-1 (30")
0.154	West	1 Replace W2-1 (30")
0.872	East	W2-2 (30")R

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WORK SHEET

Sheet 4 of 5

FAS 391 (23 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
	1.016	East	W2-2 (30"R)
☉ L Dr. N.	1.022		
☉ L Dr. N.	0.000		
	0.009	East	R7-5 (12")
	0.142	West	W2-2 (30"L)
	0.356	East	W2-2 (30"L)
☉ M Dr. N.	0.510		
	0.610	West	1 Erect Type III O.M. (12"x36")L
	0.658	West	W2-2 (30"R)
	0.870	East	1 Remove W2-2 (30"R)
☉ N Dr. N.	1.022		
☉ N Dr. N.	0.000		
@ N Dr. N.		East	3 Replace (2) G3-11 w/(2) D3-1
@ N Dr. N.		East	RI-1 (24")
@ N Dr. N.		East	1 Replace W2-4 (30") w/W3-1 (30")
	0.152	West	W2-2 (30"L)
	0.360	East	W2-2 (30"L)
@ O Dr. N.		West	RI-1 (24")
@ O Dr. N.		West	W3-1 (30")
☉ O Dr. N.	0.511		
☉ O Dr. N.	0.000		
@ O Dr. N.		East	3 Replace (2) G3-11 w/(2) D3-1
	0.150	West	1 Replace W2-2 (30"R)
	1.382	East	W2-1 (30")
☉ R Dr. N.	1.532		
☉ R Dr. N.	0.000		

WORK SHEET

FAS 391 (23 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.148	West	W2-1 (30")
0.868	East	1 Remove W2-1 (30")
@ T Dr. N.	West	RI-1 (30")
@ T Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
☉ T Dr. N. 1.002		
☉ T Dr. N. 0.000		
@ T Dr. N.	East	RI-1 (30")
0.109	East	1 Erect Type III O.M. (12"x36")L
0.121	West	1 Erect Type III O.M. (12"x36")L
0.152	West	W2-1 (30")
0.867	East	1 Remove W2-4 (30")
0.880	East	1 Erect W3-2 (36")
☉ 23 Mi. Rd. (Ext.) 0.966		
@ 23 Mi. Rd. (Ext.)	East	1 Erect RI-2 (36") facing northeast
@ V Drive N.	East	2 Replace RI-2-36 w/RI-2 (36") & Reloc. 20' N.
☉ V Drive N. 1.020		
	FAS 391 (V Drive N.)	
☉ 23 Mi. Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ 23 Mi. Rd.	North	W1-7 (48")
@ 23 Mi. Rd.	South	2 Replace RI-2-36 w/RI-2 (36") & Relocate 100' northeast
☉ 23 Mi. Rd. (Ext.) 0.045		
0.150	North	1 Replace W2-2 (30")L w/W2-3 (30")L
0.337	South	1 Replace W2-2 (30")L w/W2-3 (30")L
☉ 23 1/2 Mi. Rd. (Ext.) 0.470		
	FAS 391 (23 1/2 Mile Rd. Ext.)	
☉ V Dr. N. 0.000		Blacktop - Yellow Skip - No Pass Yellow

WORK SHEET

FAS 391 (23 1/2 Mile Rd. Ext.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ V Dr. N.	West	2	Replace RI-2-36 w/RI-2 (36")
@ 23 1/2 Mi. Rd.	East	2	Replace RI-2-36 w/RI-2 (36")
@ 23 1/2 Mi. Rd.	East In Median	1	Erect WI-7 (48") facing north
⊕ 23 1/2 Mi. Rd. 0.060			
	FAS 391 (23 1/2 Mile Rd.)		
⊕ 23 1/2 Mi. Rd. (Ext. 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.027	East	1	Erect Type III O.M. (12"x36")L
0.029	West	1	Erect Type III O.M. (12"x36")L
0.130	West	1	Erect W2-5 (30")
0.161	West	1	Replace W3-2 (30")
0.798	East	1	Replace WI-2 (30")R w/WI-3 (30")R & Erect WI3-1 (18")(30 MPH)
0.924	West	3	Erect I2-2
⊕ 23 1/2 Mi. Rd. (Ext. 0.945			
@ 23 1/2 Mi. Rd. (Ext.)	West	2	Replace RI-2-36 w/RI-2 (36")
@ 23 1/2 Mi. Rd. (Ext.)	East In Median	1	Reloc. WI-7 (48") to N. side of Base Ln. Dr.
@ 23 1/2 Mi. Rd. (Ext.)	East In Median	1	Erect WI-6 (48") facing south
@ Base Line Dr.	East	1	Erect RI-1 (24")
⊕ Base Line Dr. 1.058			
@ 23 1/2 Mi. Rd.	South	1	Replace W3-1 (30")
⊕ 23 1/2 Mi. Rd. 0.000			
@ 23 1/2 Mi. Rd.	North	1	Relocated WI-7 (48")
@ 23 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 23 1/2 Mi. Rd. (Ext.)	South		RI-1 (30") facing west

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route EAS 391 (Partello Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	8	1		3	4
RI-1 (30")	7	1			1
RI-1 (36")	1	1			1
RI-2 (36")	7		6	1	7
R7-5 (12")	2				
WI-1 (30")R	1			1	1
WI-1 (30")L	1			1	1
WI-2 (30")R	7				
WI-2 (30")L	7				
WI-3 (30")R	1			1	1
WI-4 (30")L	2				
WI-6 (48")	3			3	3
WI-7 (48")	5			2	2
W2-1 (30")	7	2			2
W2-2 (30")R	5	1			1
W2-2 (30")L	6				
W2-3 (30")L	2			2	2
W2-5 (30")	1			1	1
W3-1 (30")	7	1		2	3
W3-1 (36")	2			2	2
W3-2 (30")	1	1			1
W3-2 (36")	1			1	1
W13-1 (18") (30 MPH)	3			3	3

WORK SHEET

FAS 392 (Carver Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ A Dr. S.	South	1 Erect W1-7 (48")
⊕ A Dr. S.		Blacktop - Yellow Skip - No Pass Yellow
@ A Dr. S.	West	RI-1 (24")
0.146	West	1 Replace W2-4 (30") w/W3-1 (30")
0.164	East	1 Replace W1-5 (30")R w/W1-4 (30")R & erect W13-1 (18") (35 MPH)
0.373	West	1 Erect W1-6 (48") facing south
0.467	South	1 Erect W1-6 (48") facing north
0.685	West	1 Replace W1-5 (30")R w/W1-4 (30")R & erect W13-1 (18") (35 MPH)
1.252	East	1 Erect W13-1 (18") (40 MPH) on W1-2 (30")R
1.612	North	1 Erect W13-1 (18") (40 MPH) on W1-2 (30")L
1.779	South	W2-2 (30")L
@ Hedges Ln.	North	(?) D3-1
@ Hedges Ln.	North	1 Replace RI-2-36 w/RI-1 (24")
@ Hedges Ln.	North	1 Replace W3-2-30 w/W3-1 (30")
⊕ Hedges Ln. 1.922		
⊕ Hedges Ln. 0.000		
0.142	North	1 Remove W2-2 (30")R
0.331	South	1 Erect W13-1 (18") (35 MPH) on W1-2 (30")L
0.364	South	1 Remove W2-4 (30")
0.455		
⊕ Carver Rd. (ext.)		
@ Carver Rd. (ext.)	North In Median	2 Replace RI-2-36 w/RI-2 (36")
@ 2 MI. Rd. (Stone Jug Rd.)	South	1 Erect RI-1 (24")
⊕ 2 MI. Rd. (Stone Jug Rd.) 0.514		
	FAS 392 (2 Mile Rd.)	Stone Jug Rd.)
@ Carver Rd.	South	1 Replace W2-2 (30")L w/W3-2 (36")
⊕ Carver Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow

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Sheet 2 of

FAS 392 (2 Mile Rd.)(Stone Jug Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Carver Rd. (Ext.)	West		(2) D3-1
@ Carver Rd.	East	2	Replace RI-2-36 w/RI-2 (36")
⊙ Carver Rd. 0.047			
0.147	West	1	Remove W2-2 (30")R
0.189	West	1	Erect W1-2 (30")R & W13-1 (18")(35 MPH)
0.287	East	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.352	East	1	Remove W2-1 (30")
0.398	East	1	Remove "WELCOME TO TOWNSHIP OF BATTLE CREEK NO PARKING 2 AM - 6 AM"
⊙ 2 Mi. Rd. (Ext.) (Stone Jug Rd.) 0.447			
@ 2 Mi. Rd. (Ext.) (Stone Jug Rd.)	West	2	Replace RI-2-36 w/RI-2 (36")
@ B Dr. N. (Beckley Rd.)	East	2	Replace RI-2-36 w/RI-2 (36")
@ B Dr. N. (Beckley Rd.)	West	2	Replace W3-2-30 w/W3-2 (36")
⊙ B Dr. N. (Beckley Rd.) 0.513			
	FAS 392 (B Drive N.)(Beckley Rd.)		
@ 2 Mi. Rd. (Stone Jug Rd.)	North	2	Replace RI-2-36 w/RI-2 (36")
⊙ 2 Mi. Rd. (Stone Jug Rd.) 0.000			
@ 2 Mi. Rd. (Stone Jug Rd.)	North		(2) D3-1
@ 2 Mi. Rd. (Ext.) (Stone Jug Rd.)	South In Median	2	Replace RI-2-36 w/RI-2 (36")
⊙ 2 Mi. Rd. (Ext.) (Stone Jug Rd.) 0.048			
0.158	North	1	Remove W2-1 (30")
0.217	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.378	South	1	Remove W2-2 (30")R
⊙ Betz Rd. 0.515			

WORK SHEET

FAS 392 (B Drive N.) (Beckley Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ Betz Rd.	South	(2) D3-1
@ Betz Rd.	South	1 Replace R1-2-36 w/R1-1 (24")
@ Betz Rd.	South	1 Replace W2-4 (30") w/W3-1 (30")
0.655	North	1 Remove W2-2 (30")L
0.891	South	W2-1 (30")
@ 3 Mi. Rd. (Helmer Rd.)	South	3 Replace (2) G3-11 w/(2) D3-1
@ 3 Mi. Rd. (Helmer Rd.)		1.033
@ 3 Mi. Rd. (Helmer Rd.)		1.033
@ 3 Mi. Rd. (Helmer Rd.)		0.000
@ 3 Mi. Rd. (Helmer Rd.)	South	RI-1 (24")
@ 3 Mi. Rd. (Helmer Rd.)	South	Replace W2-1 (30") w/W3-1 (30")
0.150	North	W2-1 (30")
0.489	South	1 Relocated R2-5c (24")
0.593	South	1 Relocate R2-5c (24") 550' W.
0.593	North	1 Remove "SPEED ZONE ENDS" sign
0.773	South	1 Erect R2-1 (24") (40 MPH)
0.773	North	1 Erect R2-3a (24")
0.947	South	W2-1 (30")
1.007	North	R2-1 (24") (40 MPH)
@ 4 Mi. Rd. (Sonoma Rd.)	North	1 Replace RI-1 (24")
@ 4 Mi. Rd. (Sonoma Rd.)		1.023
@ 4 Mi. Rd. (Sonoma Rd.)		0.000
@ 4 Mi. Rd. (Sonoma Rd.)	South	(2) D3-1
@ 4 Mi. Rd. (Sonoma Rd.)	South	1 Replace RI-1 (24")
@ 4 Mi. Rd. (Sonoma Rd.)	South	1 Replace W2-1 (30") w/W3-1 (30")
0.090	North	1 Remove W2-1 (30")
0.091	South	R2-1 (24") (40 MPH)

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WORK SHEET

Sheet 4 of

FAS 392 (B Drive N.) (Beckley Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.217	North	R2-1 (24") (40 MPH)
@ Perry Rd.	South	(2) D3-1
⊕ Perry Rd. 0.255		
@ Perry Rd.	South	R1-1 (24")
@ Perry Rd.	South	I Erect W3-1 (30")
0.318	South	R2-1 (24") (40 MPH)
0.428	South	I Remove W2-1 (30")
0.496	North	R2-1 (24") (40 MPH)
@ Mingles Rd.	North	R1-1 (24")
⊕ Mingles Rd. 0.511		
@ Mingles Rd.	South	I Replace R1-1 (24")
@ Mingles Rd.	South	I Replace W2-1 (30") w/W3-1 (30")
@ Mingles Rd.	South	(2) D3-1
0.600	North	W2-1 (30")
@ Lois Dr.	South	(2) D3-1
⊕ Lois Dr. 0.870		
@ Lois Dr.	South	I Replace R1-1 (24")
0.919	North	R2-1 (24") (40 MPH)
@ Capitol Ave. S.W.	South	(2) D3-1
@ Capitol Ave. S.W. 1.022		
⊕ Capitol Ave. S.W. 0.000		
0.138	South	R2-1 (24") (50 MPH)
0.396	South	I Remove W2-2 (30")L
0.398	North	I Replace R2-1 (24") (50 MPH)
⊕ Riverside Dr. 0.505		
⊕ Riverside Dr. 0.000		

WORK SHEET

FAS 392 (B Drive N.) (Beckley Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Riverside Dr.	North		(2)D3-1
0.042	South		R2-1 (24") (50 MPH)
0.112	North	1	Remove W2-2 (30")R
0.369	North		R2-1 (24") (50 MPH)
@ M-66	North		(2)D3-1
☐ M-66 0.407			
☐ 6 Mi. Rd. 0.510			
@ 6 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 6 Mi. Rd.	South		R1-1 (30")
@ 6 Mi. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.569	South		R2-1 (24") (50 MPH)
0.606	North	1	Remove W2-2 (30")L
0.910	South	1	Remove W2-1 (30")
0.975	North		R2-1 (24") (50 MPH)
☐ 6 1/2 Mi. Rd. 1.024			
☐ 6 1/2 Mi. Rd. 0.000			
@ 6 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 6 1/2 Mi. Rd.	South		R1-1 (30")
@ 6 1/2 Mi. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.037	South		R2-1 (24") (50 MPH)
0.104	North	1	Remove W2-1 (30")
0.445	South	1	Relocate R2-1 (24") (40 MPH) 1755' E.
0.445	South	1	Erect R2-1 (24") (50 MPH)
0.459	North		R2-1 (24") (50 MPH)
0.551	South	2	Replace W9-1-30 w/S1-1 (36")
0.777	South	1	Relocated R2-1 (24") (40 MPH)

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WORK SHEET

Sheet 6 of 1

FAS 392 (B Drive N.)(Beckley Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.777	North	1 Erect R2-1 (24") (50 MPH)
0.916	South	1 Replace W3-1 (30") w/W3-1 (36")
0.941	North	R2-1 (24") (40 MPH)
@ 7 1/2 Mi. Rd. (Beadle Lake Rd.)	South	R1-1 (36")
⊕ 7 1/2 Mi. Rd. (Beadle Lk. Rd.)		
1.027		
⊕ 7 1/2 Mi. Rd. (Beadle Lk. Rd.)		
0.000		
@ 7 1/2 Mi. Rd. (Beadle Lk. Rd.)	North	R1-1 (36")
0.019	South	R2-1 (24") (45 MPH)
0.087	North	2 Replace W9-1-30 w/S1-1 (36")
0.123	North	1 Replace W3-1 (30") w/W3-1 (36")
0.505	North	R2-1 (24") (45 MPH)
0.520	South	R2-1 (24") (45 MPH)
0.691	South	W2-2 (30")L
@ 8 1/2 Mi. Rd.	North	R1-1 (30")
@ 8 1/2 Mi. Rd.	North	1 Replace W3-1 (30") w/W3-1 (36")
⊕ 8 1/2 Mi. Rd.		
0.767		
⊕ 8 1/2 Mi. Rd.		
0.000		
@ 8 1/2 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
0.076	North	1 Remove W2-2 (30")R
0.250	North	R2-1 (24") (45 MPH)
0.250	South	R2-1 (24") (45 MPH)
0.475	South	W2-2 (30")L
@ Berryhill Dr.	North	1 Erect R1-1 (24")
@ Berryhill Dr.	North	3 Replace (1) G3-11 "BERRYHILL DR." w/(1)D3-1
@ Berryhill Dr.	North	3 Erect (1) D3-1 "B DRIVE N."
⊕ Berryhill Dr.		
0.589		

WORK SHEET

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Sheet 7 of 14

FAS 392 (B Drive N.) (Beckley Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.671	South	1	Remove W2-2 (30")L
0.720	North	1	Remove W2-2 (30")R
0.746	North		R2-1 (24") (45 MPH)
@ 9 Mi. Rd.	North		R1-1 (30")
@ 9 Mi. Rd.	North	1	Replace W2-4 (30") w/W3-1 (36")
@ 9 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ 9 Mi. Rd. 0.771			
⊕ 9 Mi. Rd. 0.000			
0.021	South		R2-1 (24") (45 MPH)
0.078	North	1	Remove W2-2 (30")R
@ Single Tree Ln.	South		(2) D3-1
⊕ Single Tree Ln. 0.125			
@ Single Tree Ln.	South	1	Erect R1-1 (24")
0.462	South	1	Erect R2-3a (24")
0.462	North	1	Relocated R2-1 (24") (45 MPH)
0.506	South	1	Remove R2-1 (24") (45 MPH) & "ENDS" Panel
0.506	North	1	Relocate R2-1 (24") (45 MPH) 230' W.
0.651	North	1	Erect R2-5c (24")
0.737	North	1	Remove R2-1 (24") (45 MPH) & R2-4-24
1.139	South		W2-1 (30")
@ 10 1/2 Mi. Rd.	North		R1-1 (24")
@ 10 1/2 Mi. Rd.	North		W3-1 (30")
⊕ 10 1/2 Mi. Rd. 1.097			
⊕ 10 1/2 Mi. Rd. 0.000			
@ 10 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 10 1/2 Mi. Rd.	South		R1-1 (24")

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WORK SHEET

Sheet 8 of

FAS 392 (B Drive N.) (Beckley Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ 10 1/2 MI. Rd.	South	W3-1 (30")
0.027	South	1 Erect W13-1 (18")(35 MPH) on W1-4 (30")L
0.104	North	W2-1 (30")
0.133	South	1 Erect W1-6 (48") facing west
0.256	North	1 Erect W1-6 (48") facing east
0.449	North	1 Erect W13-1 (18")(35 MPH) on W1-4 (30")L
0.627	South	1 Remove W2-1 (30")
⊕ 11 MI. Rd. 0.773		
⊕ 11 MI. Rd. 0.000		
@ 11 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
0.170	North	W2-1 (30")
0.878	South	1 Replace W3-1 (30") w/W3-1 (36")
⊕ 12 MI. Rd. (Ext.) 0.976	North	
@ 12 MI. Rd. (Ext.)	In Median	1 Erect R1-2 (36")
@ 12 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 12 MI. Rd. & @ 12 MI. Rd. (Ext.)	North In Median	R1-1 (30")
@ 12 MI. Rd.	South	R1-1 (36")
⊕ 12 MI. Rd. 1.026		
	FAS 392 (12 Mile Rd.)	
⊕ B Dr. N. (Beckley Rd.) 0.000		Blacktop - Yellow Skid - No Pass Yellow
@ B Dr. N. (Beckley Rd.)	East	W1-7 (48")
0.146	East	W2-2 (30")L
0.388	West	1 Replace W2-2 (30")L
@ A Dr. N.	West	W1-7 (48")
@ A Dr. N. 0.520		

WORK SHEET

FAS 392 (A Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ 12 Mi. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 12 Mi. Rd.	North		RI-1 (30")
@ 12 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.248	North	1	Replace W3-1 (30") w/W3-1 (36")
1.884	South	1	Remove W2-2 (30")R
⊕ 14 Mi. Rd. 2.022			
⊕ 14 Mi. Rd. 0.000			
@ 14 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.146	North	1	Remove W2-2 (30")L
@ Squaw Creek Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ Squaw Creek Rd.	North	1	Replace RI-2-30 w/RI-1 (24") & relocate 20' S.
⊕ Squaw Creek Rd. 0.819			
@ Brook Dr.	North	3	Replace (2) G3-11 w/(2) D3-1
@ Brook Dr.	North	1	Replace RI-2-30 w/RI-1 (24") & Reloc. 20' S.
⊕ Brook Dr. 0.883			
@ River Park Dr.	North	1	Replace (2) G3-11 w/(2) D3-1
@ River Park Dr.	North	1	Replace RI-2-30 w/RI-1 (24") & reloc. 20' S.
⊕ River Park Dr. 0.977			
1.062	South	1	Erect WI3-1 (18")(40 MPH) on WI-2 (30")L
1.145	South		W2-1 (30")
1.212	South	1	Erect WI-6 (48") facing west
@ 15 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ 15 Mi. Rd. 1.292			
	FAS 392 (15 Mile Rd.)		
⊕ A Dr. N. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ A Dr. N.	West		RI-1 (30")

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WORK SHEET

Sheet 10 of 1

FAS 392 (15 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.044	East		W1-4 (30")L
0.139	West	1	Replace W3-1 (30") w/W3-1 (36")
0.413	East		W1-2 (30")L
0.512	West		W1-4 (30")L
0.615	East	1	Raise W10-1 (36") to 5' B.H.
0.671	East	1	Replace W10-2 w/R15-1 & "2 TRACKS" w/R15-2
0.682	West	1	Replace W10-1 w/R15-1 & "2 TRACKS" w/R15-2
0.720	West		W1-2 (30")R
0.736	West		W10-1 (36")
0.907	East	1	Replace W2-4 (30") w/W3-1 (36")
@ C Dr. N.	West	3	Replace (?) G3-11 w/(?) D3-1
@ C Dr. N.	West		R1-1 (24")
@ C Dr. N. 1.046			
@ Michigan Ave.	East		R1-1 (24")
@ Michigan Ave.	East		R6-1 (36")R & R6-1 (36")L (back to back)
@ Michigan Ave. 1.064			
	FAS 392 (A Drive N.)		
@ 15 MI. Rd. 0.000			Blacktop - Yellow Sklp - No Pass Yellow
@ 15 MI. Rd.	South		R1-1 (30")
@ 15 MI. Rd.	South	1	Remove W2-4 (30")
0.095	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.115	North	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")R
0.150	North		W2-1 (30")
0.345	North		W1-6 (48")
0.453	South		W2-2 (30")R
0.455	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L

WORK SHEET

Sheet 11 of 14

FAS 392 (A Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.464	South		W8-6 (30")
0.514	South	1	Replace R4-1 (24")
⊙ 15 1/2 MI. Rd. 0.593			
@ 15 1/2 MI. Rd.	North	1	Erect W1-7 (48")
@ 15 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 15 1/2 MI. Rd.	South		R1-1 (30")
@ 15 1/2 MI. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.608	South		W8-6 (30")
⊙ 1-69 0.646			
0.688	South		W1-2 (30")L
⊙ 16 MI. Rd. 0.720			
@ 16 MI. Rd.	North		W1-7 (48")
@ 16 MI. Rd.	South		R1-1 (24")
@ 16 MI. Rd.	South		W3-1 (30")
@ 16 MI. Rd.	South	3	Erect (2) D3-1
0.824	North		W8-6 (30")
0.993	North		W1-2 (30")L
1.576	South		W1-2 (30")R
1.749	South	1	Replace W3-1 (36")
1.834	South	1	Remove W2-1 (24")
1.842	North		W1-2 (30")L
⊙ Old 27 (Kalamazoo St.) 1.903			
	FAS 392 (Division Drive)		
@ Homer Rd.	West		W1-7 (48")
⊙ Homer Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ Homer Rd.	North		R1-1 (30")

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WORK SHEET

Sheet 12 of

FAS 392 (Division Drive)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Homer Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.039	North	1	Replace W3-1 (30") w/W3-1 (36")
0.643	South	1	Raise W1-2 (30")R to 5' B.H.
0.937	North		W1-2 (30")L
1.324	South		W1-2 (30")L
1.638	North		W1-2 (30")R
1.875	South		W8-1 (30")
2.054	South	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)
2.091	South	1	Replace W5-2 (30")
2.176	North	1	Erect (2) W1-6 (48") facing east & west
2.235	South		Type III O.M. (24"x48")L
2.235	North		Type III O.M. (24"x48")R
2.239	South	1	Replace Type III O.M. (24"x48")R
2.239	North	1	Replace Type III O.M. (24"x48")L
2.251	North	1	Erect (2) W1-6 (48") facing west & south
2.264	East		W8-1 (30")
2.322	West	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
2.377	East		W5-2 (30")
2.416	East	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
2.328	South	1	Replace W1-6 (48")
2.504	South		W1-6 (48")
2.661	North	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)
4.285	South	1	Replace W2-2 (30")R
Q 22 MI. Rd.	4.432		
@ 22 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 22 MI. Rd.	North	3	Replace D1-2



WORK SHEET

Sheet 13 of 14

FAS 392 (Division Drive)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.150	North	W2-2 (30")L
0.876	South	1 Remove W2-1 (30")
⊙ 23 MI. Rd. 1.024		
⊙ 23 MI. Rd. 0.000		
@ 23 MI. Rd.	South	R1-1 (30")
@ 23 MI. Rd.	South	1 Replace W3-1 (30") w/W3-1 (36")
@ 23 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
0.142	North	W2-1 (30")
0.882	South	W2-2 (30")R
@ 24 MI. Rd.	South	3 Replace (2) G3-11 w/ (2) D3-1
⊙ 24 MI. Rd. 1.030		
⊙ 24 MI. Rd. 0.000		
@ 24 MI. Rd.	South	R1-1 (24")
@ 24 MI. Rd.	South	W3-1 (30")
0.170	North	W2-2 (30")L
1.032	South	W2-1 (30")
@ 25 1/2 MI. Rd.	North	R1-1 (30")
@ 25 1/2 MI. Rd.	North	W3-1 (30")
@ 25 1/2 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
⊙ 25 1/2 MI. Rd. 1.185		
⊙ 25 1/2 MI. Rd. 0.000		
@ 25 1/2 MI. Rd.	South	R1-1 (30")
@ 25 1/2 MI. Rd.	South	W3-1 (30")
0.150	North	1 Remove W2-1 (30")
1.086	South	1 Erect W13-1 (18")(40 MPH) on W1-2 (30")R
1.259	North	W1-6 (48")

WORK SHEET

FAS 392 (Division Drive)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.270	North		W1-6 (48")
1.429	North	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")L
1.431	South		Raise W2-2 (30")R to 5' B.H.
@ 27 Mi. Rd. (W. Albion Limits)	South	3	Replace (2) G3-11 w/(2) D3-1
@ 27 Mi. Rd. (W. Albion Lim.) 1.576			
@ 27 Mi. Rd. (W. Albion Limits)	South		R1-1 (24")
C S. Clark St. (E. Albion Lim.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.040	South	1	Erect R2-3a (24")
0.141	North	1	Remove R2-1 (24")(35 MPH)
0.176	South	1	Remove W2-2 (30")L
0.284	North	1	Erect R2-5c (24")
@ Martin Dr.	North		R1-1 (24")
@ Martin Dr. 0.320			
@ Martin Dr.	North	3	Replace (2) G3-11 w/(2) D3-1
0.350	North	2	Replace W9-1-30 w/S1-1 (36")
0.392	South		W2-1 (30")
0.463	North	1	Remove W2-2 (30")R
@ 29 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 29 1/2 MI. Rd. 0.539			
@ 29 1/2 MI. Rd. 0.000			
0.150	North		W2-1 (30")
0.522	South	1	Replace W1-4 (30")R
E. Calhoun Co. Ln. 0.560	North	1	Erect I2-2

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 392 (Carver Rd.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	24	4		8	12
R1-1 (30")	13				
R1-1 (36")	3				
R1-2 (36")	7		6	1	7
R2-1 (24") (40 MPH)	9			1	1
R2-1 (24") (45 MPH)	8				
R2-1 (24") (50 MPH)	10	1		1	2
R2-3a (24")	3			3	3
R2-5c (24")	3			2	2
R4-1 (24")	1	1			1
R6-1 (36")R	1				
Ry-1 (36")L	1				
R15-1	2			2	2
R15-2	2			2	2
W1-1 (30")R	2			2	2
W1-1 (30")L	2			2	2
W1-2 (30")R	10			1	1
W1-2 (30")L	12				
W1-4 (30")R	3	1		2	3
W1-4 (30")L	4				
W1-6 (48")	14	1		7	8
W1-7 (48")	6			2	2
W2-1 (30")	13				

QUANTITY SHEET

County Calhoun

Sheet 2 of 2

Route FAS 392 (Carver Rd.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
W2-2 (30")R	4	1			1
W2-2 (30")L	7	1			1
W3-1 (30")	13			7	7
W3-1 (36")	14	1		13	14
W3-2 (36")	2		1	1	2
W5-2 (30")	2	1			1
W8-1 (30")	2				
W8-6 (30")	3				
W10-1 (36")	2				
W13-1 (18")(30 MPH)	4			4	4
W13-1 (18")(35 MPH)	10			10	10
W13-1 (18")(40 MPH)	6			6	6
Type III O.M. (24"x48")R	2	1			1
Type III O.M. (24"x48")L	2	1			1
S1-1 (36")	3		3		3
D1-2	1			1	1
D3-1	76			50	50
I2-2	1			1	1
TOTAL	307	14	10	129	153

WORK SHEET

Sheet 1 of 2

FAS 641 (S. County Line Drive)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 22 Mi. Rd.	West		W1-7 (48")
⊕ 22 Mi. Rd. 0.000			Blacktop - Yellow Sklp - No Pass Yellow
@ 22 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 22 Mi. Rd.	North		RI-1 (30")
0.150	North		W3-1 (36")
0.358	South		W2-2 (30")L
@ 22 1/2 Mi. Rd.	North		RI-1 (24")
@ 22 1/2 Mi. Rd.	North	1	Replace W3-1 (30")
⊕ 22 1/2 MI. Rd. 0.508			
@ 22 1/2 MI. Rd.	South		W1-7 (48")
@ 22 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.657	North	1	Remove W2-2 (30")R
0.763	South		Type III O.M. (12"x36")L
0.763	North		Type III O.M. (12"x36")R
0.771	South		Type III O.M. (12"x36")R
0.771	North		Type III O.M. (12"x36")L
0.872	South	1	Remove W2-2 (30")L
@ 23 Mi. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
@ 23 Mi. Rd.	North	1	Remove W2-4 (30")
⊕ 23 Mi. Rd. 1.018			
⊕ 23 Mi. Rd. 0.000			
@ 23 Mi. Rd.	South		W1-7 (48")
@ 23 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.148	North	1	Remove W2-2 (30")R
0.595	South	1	Remove W2-2-24 R
⊕ Ely Rd. 0.742			

WORK SHEET

FAS 667 (S Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ M-66	East	(2) D3-1
⊕ M-66	0.000	Blacktop - Yellow Skip - No Pass Yellow
	0.116	North Remove W2-2 (30")L
@ 3 Mi. Rd.	North	(2) D3-1
⊕ 3 Mi. Rd.	0.260	
	0.406	South Remove W2-2 (30")R
	0.900	North Replace W1-4 (30")R w/W1-3 (30")R & Erect W13-1 (18")(25 MPH)
	1.044	South W1-6 (48") facing east
	1.056	South W1-6 (48") facing north
	1.116	North W2-2 (30")R
	1.216	North Erect W13-1 (18")(35 MPH) on W1-2 (30")L
	1.236	North Er Erect Type III O.M. (24"x48")L
	1.245	South Erect Type III O.M. (24"x48")L
⊕ 2 Mi. Rd.	1.264	
⊕ 2 Mi. Rd.	0.000	
@ 2 Mi. Rd.	North	R1-1 (30")
@ 2 Mi. Rd.	North	(2) D3-1
@ 2 Mi. Rd.	North	W3-1 (30")
	0.112	South Replace W1-4 (30")R w/W1-3 (30")R & Erect W13-1 (18") (25 MPH)
	0.131	South Remove W2-2 (30")L
	0.260	North Remove W2-2 (30")L
	0.311	South Erect W13-1 (18") (35 MPH) on W1-2 (30")R
@ 1 1/2 Mi. Rd.	North	Erect (2) D3-1
@ 1 1/2 Mi. Rd.	South	R1-1 (30")
⊕ 1 1/2 Mi. Rd.	0.405	
	0.500	North Erect W13-1 (18") (20 MPH) on W1-1 (30")R

WORK SHEET

FAS 667 (S Drive S.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.555	South	I	Remove W2-2 (30")R
⊕ I 1/2 Mi. Rd. 0.657			
	FAS 667 (I 1/2 Mile Rd.)		
⊕ S Dr. S. 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.000	West	I	Replace W1-6 (48") facing east
0.006	West		W1-6 (48") facing north
0.008	West		(2) D3-1
0.090	East	I	Remove W2-2 (30")L
0.158	West	I	Erect W13-1 (18") (20 MPH) on W1-1 (30")L
⊕ R dr. S. 0.250			
0.384	West	I	Remove W2-2 (30")R
0.613	East	I	Remove W2-1 (30")
@ Q Dr. S.	West		RI-1 (24")
@ Q Dr. S.	West	I	Remove W3-1 (30")
⊕ Q Dr. S. 0.758			
⊕ Q dr. S. 0.000			
@ Q Dr. S.	East		(2) D3-1
@ Q Dr. S.	East		RI-1 (24")
@ Q Dr. S.	East	I	Remove W3-1 (30")
0.144	West	I	Remove W2-1 (30")
0.370	East	I	Erect Type III O.M. (12"x36")L
0.374	West	I	Erect Type III O.M. (12"x36")L
0.876	East	I	Replace W2-4 (30") w/W2-5 (30")
@ I 1/2 Mi. Rd. (Ext.)	West	I	Erect RI-2 (36")
⊕ I 1/2 Mi. Rd. (Ext.) 0.998			
@ O Dr. S.	North	I	Relocated RI-1 (30") from 110' W.

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WORK SHEET

Sheet 3 of

FAS 667 (1 1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ 0 Dr. S.	North	W1-7 (48")
@ 0 Dr. S.	North	(2) D3-1
⊕ 0 Dr. S. 1.022		
	FAS 667 (0 Drive S.)	
⊕ 1 1/2 Mi. Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
0.120	South	I Erect Type III O.M. (12"x36")L
0.126	North	I Erect Type III O.M. (12"x36")L
0.130	North	I Replace W2-2 (30")L w/W2-3 (30")L
0.294	South	I Erect W13-1 (18") (35 MPH) on W1-2 (30")L
⊕ 0 Dr. S. (Ext.) 0.453		
0.470	North	RI-1 (30")
@ 2 Mi. Rd.	North	(2) D3-1
@ 2 Mi. Rd.	South	I Erect RI-1 (24")
⊕ 2 Mi. Rd. 0.490		
	FAS 667 (2 Mile Rd.)	
⊕ 0 Dr. S. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ 0 Dr. S.	East	I Erect RI-1 (24")
@ 0 Dr. S.	East	I Replace W2-1 (30") w/W3-1 (30")
0.025	East	RI-1 (30")
⊕ 0 Dr. S. (Ext.) 0.052		
0.146	West	I Replace W2-1 (30") w/W1-2 (30")R & W13-1 (18") (35 MPH)
0.795	East	I Remove W2-1 (30")
@ M Dr. S.	West	RI-1 (24")
@ M Dr. S.	West	I Remove W2-1 (30")
@ M Dr. S.	East	(2) D3-1
⊕ M. Dr. S. 0.940		

WORK SHEET

Sheet 4 of 7

FAS 667 (2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ M Dr. S. 0.000		
@ M Dr. S.	West	1 Erect W1-7 (48")
@ M Dr. S.	East	RI-1 (30")
@ M Dr. S.	East	1 Replace W2-1 (30") w/W3-1 (36")
0.148	West	1 Remove W2-1 (30")
0.483	East	1 Erect Type III O.M. (12"x36")L
0.498	West	1 Erect Type III O.M. (12"x36")L
0.878	East	1 Replace W3-1 (30") w/W3-1 (36")
@ K Dr. S.	East	RI-1 (30")
⊕ K Dr. S. 1.073		
	FAS 667 (K Drive S.)	
⊕ 2 Mi. Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ 2 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 2 Mi. Rd.	North	W1-7 (48")
0.148	South	W2-2 (30")R
0.366	North	W2-2 (30")R
⊕ 1 1/2 Mi. Rd. 0.511		
@ 1 1/2 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 1 1/2 Mi. Rd.	South	1 Erect W1-7 (48")
@ 1 1/2 Mi. Rd.	North	RI-1 (30")
@ 1 1/2 Mi. Rd.	North	1 Replace W2-4 (30") w/W3-1 (36")
0.656	South	1 Remove W2-2-24L
1.193	North	Type III O.M. (12"x36")L
1.193	South	Type III O.M. (12"x36")R
1.205	North	Type III O.M. (12"x36")R
1.205	South	Type III O.M. (12"x36")L

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WORK SHEET

Sheet 5 of 7

FAS 667 (K Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.235	North	1	Erect W13-1 (18") (35 MPH) on W1-2 (30")R
@ K Dr. S. (Ext.) 1.390			
@ K Dr. S. (Ext.)	South	3	Replace (2) G3-11 w/(2) D3-1
@ K Dr. S. (Ext.)	South	2	Replace RI-2-36 w/RI-2 (36")
1.420	North	1	Remove W2-1 (30")
@ 1/2 Mi. Rd.	North	1	Replace RI-2-36 w/ RI-1 (24")
@ 1/2 Mi. Rd.	South	1	Remove W2-1 (30")
@ 1/2 Mi. Rd. 1.532			
	FAS 667 (1/2 Mile Rd.)		
@ K Dr. S.	West	1	Replace RI-2-36 w/RI-1 (30")
@ K Dr. S.	West	1	Erect W3-1 (36")
@ K Dr. S. 0.000			
0.105	West	1	Remove W2-1 (30")
@ K Dr. S. (Ext.)	East	2	Replace RI-2-36 w/RI-2 (36")
@ K Dr. S. (Ext.) 0.133			
0.301	West	1	Erect W13-1 (18") (35 MPH) on W1-2 (30")L
0.364	East		W2-2 (30")L
@ J Dr. S.	West		RI-1 (24")
@ J Dr. S.	West		W3-1 (30")
@ J Dr. S. 0.507			
@ J Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
0.648	West	1	Remove W2-2 (30")R
0.876	East	1	Remove W2-2 (30")L
@ I Dr. S.	West	1	Replace RI-2-36 w/RI-1 (24")
@ I Dr. S. 1.018			
@ I Dr. S. 0.000			

WORK SHEET

Sheet 6 of 7

FAS 667 (1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ I Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
0.143	West	1	Remove W2-2 (30"R)
0.366	East	1	Remove W2-1 (30")
☉ H Dr. S.	0.509		
☉ H Dr. S.	0.000		
0.145	West	1	Remove W2-1 (30")
0.878	East	1	Remove W2-1 (30")
@ F Dr. S.	West		R1-1 (24")
@ F Dr. S.	West	1	Remove W3-1 (30")
☉ F Dr. S.	1.020		
☉ F Dr. S.	0.000		
@ F Dr. S.	East		R1-1 (24")
@ F Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ F Dr. S.	East	1	Remove W2-1 (30")
0.144	West	1	Remove W2-1 (30")
0.370	East	1	Remove W2-2 (30")L
@ E Dr. S.	West		R1-1 (30")
☉ E Dr. S.	0.511		
@ E Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
0.652	West	1	Remove W2-2 (30"R)
0.878	East	1	Remove W2-1 (30")
☉ D Dr. S.	1.022		
☉ D Dr. S.	0.000		
@ D Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ D Dr. S.	East		R1-1 (30")
@ D Dr. S.	East	1	Replace W3-1 (30") w/W3-1 (36")

WORK SHEET

FAS 667 (1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.144	West	1	Remove W2-1 (30")
0.370	East	1	Remove W2-2 (30")R
⊕ C Dr. S. 0.511			
⊕ C Dr. S. 0.000			
0.143	West	1	Remove W2-2 (30")L
0.625	East	1	Remove W2-2 (30")R
⊕ Hoffman Dr. 0.774			
@ Hoffman Dr.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Hoffman Dr.	East		R1-1 (24")
@ Hoffman Dr.	East	1	Remove W2-4 (30")
0.813	East	1	Erect W13-1(18")(35 MPH) on W1-2(30")L
0.920	West	1	Remove W2-2 (30")L
0.968	East	1	Erect W1-6 (48") facing south
1.042	East	1	Erect W1-6 (48") Facing west
1.104	East	1	Remove W2-2 (30")R
1.210	South	1	Erect W13-1(18")(35 MPH) on W1-2(30")R
@ Carver Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ Carver Rd. 1.250			
1.362	North	1	Remove W2-2 (30")R
1.393	South	1	Remove W2-2 (30")L
1.459	South	1	Erect I2-2
@ W. Co. Line Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ W. Co. Line Rd. 1.504			

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 667 (S Drive S.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
PI-1 (24")	11			4	4
PI-1 (30")	11			1	1
PI-2 (36")	3		2	1	3
WI-1 (30")R	1				
WI-1 (30")L	1				
WI-2 (30")R	4			1	1
WI-2 (30")L	4				
WI-3 (30")R	2			2	2
WI-6 (48")	6	1		2	3
WI-7 (48")	4			2	2
W2-2 (30")R	3				
W2-2 (30")L	1				
W2-3 (30")L	1			1	1
W2-5 (30")	1			1	1
W3-1 (30")	3			1	1
W3-1 (36")	5			5	5
W13-1 (18") (20 MPH)	2			2	2
W13-1 (18") (25 MPH)	2			2	2
W13-1 (18") (35 MPH)	8			8	8
Type III O.M. (12"x36")R	2				
Type III O.M. (12"x36")L	8			6	6
Type III O.M. (24"x48")L	2			2	2

WORK SHEET

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Sheet 1 of 9

FAS 699 (Old 27)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ S. Co. Line Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ S. Co. Line Rd.	South	1	Replace R1-1 (24")
@ S. Co. Line Rd.	South		W3-1 (30")
@ S. Co. Line Rd.	North	3	Replace (?) G3-11 w/(?) D3-1
0.009	South		I2-2
0.028	South		W7-1 (30")
0.070	North		R2-3a (24")
0.070	North		R2-2 (24") (50 MPH)
0.084	South	1	Replace R4-2 (24")
0.137	North		W2-1 (30")
0.154	North	1	Remove W4-2-36
@ 15 1/2 MI. Rd.	South	3	Replace (?) G3-11 w/(?) D3-1
☉ 15 1/2 MI. Rd. 0.167			
@ 15 1/2 MI. Rd.	South	1	Replace R1-1 (24")
@ 15 1/2 MI. Rd.	North		R1-1 (24")
@ 15 1/2 MI. Rd.	North		W3-1 (30")
☉ 15 1/2 MI. Rd. 0.197			
0.227	North		R4-2 (24")
0.324	North		R4-1 (24")
0.349	North	1	Remove W2-1 (30")
☉ I-69 0.407			
0.720	South	1	Remove W2-2 (30")L
0.821	South	1	Replace R2-1 (24") (35 MPH) & R2-4-24 w/ R2-5c (24") & relocate 300' N.
0.870	South	3	Replace I7-1 (48")
0.878	South	1	Relocated R2-5c (24")
@ W Dr. S.	West	3	Replace (?) G3-11 w/(?) D3-1

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WORK SHEET

Sheet 2 of 1

FAS 699 (Old 27)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION		
@ W Dr. S.	West	1	Replace RI-1 (30")	
☉ W Dr. S. 0.887				
☉ W Dr. S. 0.000				
0.070	East	1	Remove W2-2 (30")R	
0.108	West	1	Replace W1-2 (36")R	
0.154	West	1	Remove W2-2 (30")R	
0.158	West	3	Replace G2-4	COLDWATER 10 ANGOLA 32 w/D2-2
0.179	East		W1-2 (30")R	
0.187	West	1	Replace W4-2-36 w/W4-2 (36") & reloc. 250' N	
0.187	West		R7-1 (12")	
0.197	West		Route Marker Trailblazer Assembly	
0.198	East	1	Remove R2-1 (24")(35 MPH)	
☉ V Dr. S. 0.219				
@ V Dr. S.	East	3	Replace (?) G3-11 w/(?) D3-1	
@ V Dr. S.	East		RI-1 (30")	
@ V Dr. S.	East		W3-1 (30")	
0.234	West		Relocated W4-2 (36")	
0.240	East	2	Replace W8-5-36 w/W8-5 (30") & Plaque (24")	
0.240	West		R7-1 (12")	
☉ S. Tekonsha Limits 0.274				
☉ N. Tekonsha Limits 0.000	East		R2-1 (24")(45 MPH)	
0.008	East	1	Remove W4-2-36	
0.019	West		W10-1 (36")	
0.047	West	1	Remove R2-1 (24")(35 MPH)	
0.197	East	1	Replace R2-1 (24")(45 MPH)	
0.197	East	1	Replace R7-1 (12")	

WORK SHEET

FAS 699 (Old 27)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION			
0.197	West		R7-1 (12")			
0.210	East	3	Replace G2-2 : <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>← I-69</td></tr><tr><td>JACKSON →</td></tr></table> w/DI-2	← I-69	JACKSON →	
← I-69						
JACKSON →						
0.238	East		R7-1 (12")			
0.238	West		R7-1 (12")			
0.267	East		Route Marker Trailblazer Assembly			
0.284	West	1	Relocated R2-1 (24") (45 MPH)			
@ M-60		3	Erect (2) D3-1			
@ M-60	0.311					
0.326	East	1	Erect R2-3a (24") on R7-1 (12")			
0.339	West		R7-1 (12")			
0.345	East		R7-1 (12")			
0.381	West	3	Replace G2-2 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>COLDWATER →</td></tr><tr><td>← JACKSON</td></tr><tr><td>THREE RIVERS →</td></tr></table> w/DI-3	COLDWATER →	← JACKSON	THREE RIVERS →
COLDWATER →						
← JACKSON						
THREE RIVERS →						
			<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>← JACKSON</td></tr><tr><td>COLDWATER</td></tr><tr><td>THREE RIVERS →</td></tr></table>	← JACKSON	COLDWATER	THREE RIVERS →
← JACKSON						
COLDWATER						
THREE RIVERS →						
0.381	West		R7-1 (12")			
0.390	East	3	Replace G2-4 <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>MARSHALL 12</td></tr><tr><td>LANSING 54</td></tr></table> w/D2-2	MARSHALL 12	LANSING 54	
MARSHALL 12						
LANSING 54						
0.390	East		R7-1 (12")			
0.421	East	1	Replace R2-3a (24")			
0.421	East	1	Replace R2-2 (24") (50 MPH)			
0.500	West	1	Erect R2-5c (24")			
0.665	West	1	Remove R2-1 (24") (45 MPH) & R2-4-24			
0.724	West	3	Replace R7-1 (48")			
0.883	East		W2-1 (30")			
@ R Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1			
@ R Dr. S.	West		R1-1 (24")			
@ R Dr. S.	1.005					

WORK SHEET

FAS 699 (Old 27)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ R Dr. S. 1.037			
⊕ R Dr. S. 0.000			
@ R Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ R Dr. S.	East		R1-1 (24")
@ R Dr. S.	East		W3-1 (30")
0.097	East	1	Replace R4-2 (24")
0.122	West		W2-1 (36")
0.195	East	1	Replace R4-2 (24")
0.231	West		R4-2 (24")
0.360	West	1	Replace R4-1 (24")
0.430	Last	1	Replace R4-1 (24")
0.568	West		R4-2 (24")
0.577	East	1	Replace R4-2 (30")
0.744	West	1	Replace R4-1 (24")
0.923	East		W2-1 (30")
@ P Dr. S.	West		R1-1 (24")
@ P Dr. S.	West		W3-1 (30")
@ P Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
⊕ P Dr. S. 1.071			
⊕ P Dr. S. 0.000			
@ P Dr. S.	East		R1-1 (24")
@ P Dr. S.	East		W3-1 (30")
0.150	West		W2-1 (30")
0.235	East	1	Replace R4-1 (24")
0.350	East	1	Replace R4-2 (24")
0.405	West		R4-2 (24")

WORK SHEET

Sheet 5 of 9

FAS 699 (Old 27)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.522	West	1	Replace R4-1 (24")
0.916	East	1	Replace R4-1 (24")
0.975	East		W2-1 (30")
1.089	West		R4-2 (24")
@ N Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ N Dr. S.	West		R1-1 (30")
☉ N Dr. S. 1.128			
☉ N Dr. S. 0.000			
@ N Dr. S.	East		R1-1 (30")
@ N Dr. S.	East	1	Erect W3-1 (30")
0.099	East	1	Replace R4-2 (24")
0.148	West		W2-1 (30")
0.309	West		R4-1 (24")
0.570	East	1	Replace R4-1 (24")
0.718	West	1	Replace R4-1 (24")
0.747	East	1	Replace R4-2 (24")
0.843	East		W1-2 (36")L
0.872	East	1	Replace R4-1 (24")
0.919	West		R4-1 (24")
0.925	East		W2-2 (30")R
1.045	East		W1-6 (48")
@ 17 Mi. Rd. & L Dr. S.	East	3	Replace (3) G3-11 w/(3) D3-1
@ 17 Mi. Rd. & L Dr. S.	East		R1-1 (24")
@ 17 Mi. Rd. & L Dr. S.	East		W3-1 (30")
☉ 17 Mi. Rd. & L Dr. S. 1.073			
☉ 17 Mi. Rd. & L Dr. S. 0.000			

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WORK SHEET

Sheet 6 of 9

FAS 699 (Old 27)

REFERENCE		LOCATION	PRIORITY & DESCRIPTION	
	0.021	East	1	Replace R4-2 (24")
	0.148	West		W2-2 (30")L
	0.174	West	1	Replace R4-1 (24")
	0.195	West		W1-2 (36")R
	0.570	East	1	Replace R4-1 (24")
	0.726	West		R4-2 (24")
	0.740	East		R4-2 (24")
	0.867	East	1	Remove W2-2 (30")L
	0.885	West	1	Replace R4-1 (24")
⊕ J Dr. S.	1.028			
⊕ J Dr. S.	0.000			
	0.152	West	1	Remove W2-2 (30")R
	0.707	East	1	Remove W2-2 (30")L
@ Perrett Rd.		West	3	Replace (2) G3-11 w/(2) D3-1
@ Perrett Rd.		West		R1-1 (24")
⊕ Perrett Rd.	0.854			
	0.878	East	1	Remove W2-2 (30")R
⊕ H Dr. S.	1.026			
⊕ H Dr. S.	0.000			
@ H Dr. S.		West		W1-7 (48")
@ H Dr. S.		East	3	Replace (2) G3-11 w/(2) D3-1
@ H Dr. S.		East		R1-1 (24")
@ H Dr. S.		East	1	Replace W3-1 (30") w/ W3-1 (36")
	0.032	West		I3-2
@ Orchard Rd.		West	3	Erect (2) D3-1
@ Orchard Rd.		West		R1-1 (24")

WORK SHEET

FAS 699 (Old 27)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
⊗ Orchard Rd. 0.104			
0.150	West	1	Remove W2-2 (30")L
0.248	East	1	Remove W2-2 (30")L
0.252	West	1	Remove W2-2 (30")R
0.364	East	1	Remove W2-2 (30")R
@ Perrett Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Perrett Rd.	West		R1-1 (24")
@ Perrett Rd.	West		W3-1 (30")
⊗ Perrett Rd. 0.396			
⊗ G Dr. S. 0.512			
@ G Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ G Dr. S.	East		R1-1 (24")
@ G Dr. S.	East	1	Replace W3-1 (30") w/W3-1 (36")
0.545	West	1	Remove W2-2 (30")R
0.651	West	1	Remove W2-2 (30")L
0.865	East		W2-1 (30")
⊗ F Dr. S. 1.028			
⊗ F Dr. S. 0.000			
0.095	East	1	Replace R4-1 (24")
0.153	West		W2-1 (30")
0.235	East		R4-2 (24")
0.299	West	1	Replace R4-2 (24")
0.325	East	1	Replace R4-1 (24")
0.392	West	1	Replace R4-1 (24")
0.439	East	1	Replace R4-2 (24")
0.480	West	1	Replace R4-2 (24")

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WORK SHEET

Sheet 8 of

FAS 699 (Old 27)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.593	West	1	Replace R4-1 (24")
0.832	East		R4-1 (24")
0.943	East	1	Replace R4-2 (24")
1.045	West	1	Replace R4-2 (24")
1.141	West		R4-1 (24")
1.175	East	1	Replace R4-1 (24")
1.294	East	1	Replace R4-2 (24")
1.343	West	1	Replace R4-2 (24")
1.449	West	1	Replace R4-1 (24")
1.603	East		R7-1 (12")
1.603	West		R7-1 (12")
1.642	East		R7-1 (12")
1.642	West		R7-1 (12")
1.674	East		R7-1 (12")
1.676	West		R7-1 (12")
1.719	East		R7-1 (12")
1.719	West		R7-1 (12")
1.761	East		R7-1 (12")
1.761	West		R7-1 (12")
1.802	East	1	Replace R7-1 (12")
1.802	West		R7-1 (12")
1.919	East		W2-2 (30")L
@ B Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ B Dr. S.	West		R1-1 (24")
@ B Dr. S. 2.068			
@ B Dr. S. 0.000			

County CalhounSheet 1 of 2Route FAS 699 (Old 27)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	14	2			2
R1-1 (30")	4	1			1
R2-1 (24") (45 MPH)	3	1			1
R2-2 (24") (50 MPH)	2	1			1
R2-3a (24")	3	1		1	2
R2-5c (24")	2			2	2
R4-1 (24")	24	19			19
R4-2 (24")	22	14			14
R7-1 (12")	23	2			2
W1-2 (30")R	1				
W1-2 (36")R	2	1			1
W1-2 (36")L	1				
W1-6 (48")	1				
W1-7 (48")	1				
W2-1 (30")	10				
W2-1 (36")	1				
W2-2 (30")R	2	1			1
W2-2 (30")L	2				
W3-1 (30")	9			1	1
W3-1 (36")	2			2	2
W4-2 (36")	1			1	1
W8-5 (30") & Plaque (24")	1		1		1
W10-1 (36")	1				

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WORK SHEET

Sheet 1 of

FAS 890 (Verona Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊙ Raymond Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow (2) Flashing Red Arrows (2) 4W-3C-SA STOP & GO
@ Raymond Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.025	South	1	Replace R2-1 (24")(35 MPH)
0.025	South	1	Remove "SPEED RADAR TIMED" sign
0.025	South	1	Replace "NO PARKING BETWEEN SIGNS → " (12")
@ LaGrange	North		R1-1 (30")
⊙ LaGrange 0.072			
@ LaGrange	North	3	Replace (2) G3-11 w/(2) D3-1
0.104	South	1	Remove W2-2 (30")L
0.114	South		W1-2 (30")R
0.133	North		R2-1 (24")(35 MPH)
@ Dick	North		R1-1 (24")
⊙ Dick 0.142			
@ Dick	North	3	Replace (2) G3-11 w/(2) D3-1
⊙ Bellevue Rd. 0.180			
@ Bellevue Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.211	South		R2-1 (24")(35 MPH)
0.241	North		W2-2 (30")R
0.292	North		W1-2 (30")L
0.578	South	1	Remove W2-2 (30")L
0.598	North		R2-1 (24")(35 MPH)
⊙ 9 Mi. Rd. (McAllister Rd.) 0.634			
@ 9 Mi. Rd. (McAllister Rd.)	North	3	Replace (2) G3-11 w/(2) D3-1
0.718	South	1	Erect R2-1 (24")(45 MPH)

WORK SHEET

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Sheet 2 of 6

FAS 890 (Verona Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.729	North	1	Remove W2-2 (30")R
0.898	South		W1-2 (30")L
@ Jane St.	North	3	Replace (2) G3-11 w/(2) D3-1
@ Jane St.	North	1	Erect R1-1 (24")
☐ Jane St. 0.956			
☐ Jane St. 0.000			
0.042	North	1	Replace R2-1 (24")(45 MPH)
0.193	South	1	Replace R2-1 (24")(45 MPH)
0.228	North	1	Replace W1-2 (30")R
0.509	South		W2-2 (30")R
0.541	North		R2-1 (24")(45 MPH)
☐ 9 1/2 Mi. Rd. (S.) 0.595			
@ 9 1/2 Mi. Rd. (S.)	North		W1-7 (48")
@ 9 1/2 Mi. Rd. (S.)	South	3	Replace (2) G3-11 w/(2) D3-1
0.631	South		R2-1 (24")(45 MPH)
0.674	North		W2-2 (30")L
@ Co. Rd.	North	1	Erect R1-1 (24")
☐ Co. Rd. 0.763			
@ Co. Rd.		3	Erect (2) D3-1
0.769	South	1	Remove W2-2 (30")L
@ 9 1/2 Mi. Rd. (N.)	North	3	Replace (2) G3-11 w/(2) D3-1
@ 9 1/2 Mi. Rd. (N.)	North		R1-1 (24")
@ 9 1/2 Mi. Rd. (N.)	North	1	Replace W2-4 (30") w/W3-1 (30")
☐ 9 1/2 Mi. Rd. (N.) 0.855			
☐ 9 1/2 Mi. Rd. (N.) 0.000			
0.059	South		R2-1 (24")(45 MPH)

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WORK SHEET

Sheet 3 of

FAS 890 (Verona Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.068	South		W1-2 (30"R)
0.160	South		W2-2 (30"R)
0.211	North	1	Erect R2-1 (24")(45 MPH)
⊙ 10 Mi. Rd. 0.267			
@ 10 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 10 Mi. Rd.	South		R1-1 (30")
0.310	South	2	Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH)
0.345	North		W2-2 (30")L
0.379	North	1	Replace R2-1 (24")(45 MPH)
0.401	North		W1-2 (30")L
0.877	North		R2-1 (24")(45 MPH)
0.887	South	1	Replace R2-1 (24")(45 MPH)
1.334	South	1	Replace W2-1 (30")
1.395	North		R2-1 (24")(45 MPH)
⊙ 11 Mi. Rd. 1.440			
⊙ 11 Mi. Rd. 0.000			
@ 11 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.021	South		R2-1 (24")(45 MPH)
0.141	North		W2-1 (30")
0.453	South		W2-2 (30")L
0.577	North		R2-1 (24")(45 MPH)
@ 11 1/2 Mi. Rd.	North		R1-1 (30")
@ 11 1/2 Mi. Rd.	North	1	Remove W3-1 (30")
⊙ 11 1/2 Mi. Rd. 0.596			
⊙ 11 1/2 Mi. Rd. 0.000			
@ 11 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

FAS 890 (Verona Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.038	South	1	Relocated R7-3a (24")
0.103	South	1	Replace "SPEED ZONE ENDS" w/R7-3c (24") & Relocate 340' W.
0.161	North	1	Remove W2-2 (30")R
0.181	North		R7-5c (24")
0.553	South		Type III O.M. (24"x48")L
0.553	North		Type III O.M. (24"x48")R
0.562	South		Type III O.M. (24"x48")R
0.562	North		Type III O.M. (24"x48")L
0.579	North	1	Remove "SPEED RADAR TIMED" sign
1.396	South		W2-1 (30")
@ H Dr. N.	South		R1-1 (30")
@ H Dr. N.	South	1	Replace W3-1 (30") w/W3-1 (36")
@ H Dr. N. 1.528			
@ H Dr. N. 0.000			
@ H Dr. N.	North	3	Replace (2) G3-11 w/(2) D3-1
@ H Dr. N.	North		R1-1 (30")
@ H Dr. N.	North	1	Replace W3-1 (30") w/W3-1 (36")
0.152	North		W2-1 (30")
0.165	South		W2-1 (30")
@ 13 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 13 Mi. Rd.	North		R1-1 (30")
@ 13 Mi. Rd.	North	1	Replace W2-1 (30") w/W3-1 (36")
@ 13 Mi. Rd. 0.301			
@ 13 Mi. Rd.	South		R1-1 (24")
0.451	North		W2-1 (30")
0.672	South	1	Remove W2-2 (30")L

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WORK SHEET

Sheet 5 of

FAS 890 (Verona Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ G Dr. N.	North	3	Replace (2) G3-11 w/(2) D3-1
@ G Dr. N.	North		RI-1 (30")
@ G Dr. N.	North	1	Remove W3-1 (30")
☉ G Dr. N. 0.815			
@ G Dr. N.	South		W1-7 (48")
	South		W2-2 (30")R
☉ I-94 0.945			
	North		W2-2 (30")R
@ G Dr. N.	South	3	Replace (2) G3-11 w/(2) D3-1
@ G Dr. N.	North		W1-7 (48")
☉ G Dr. N. 1.068			
☉ G Dr. N. 0.000			
@ G Dr. N.	South		RI-1 (30")
@ G Dr. N.	South	1	Remove W3-1 (30")
	North	1	Remove W2-2 (30")L
	South		W2-2 (30")L
@ 14 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 14 MI. Rd.	North	1	Replace RI-1 (24")
☉ 14 MI. Rd. 0.522			
	North		W2-2 (30")R
	South		W2-1 (30")
☉ 15 MI. Rd. 1.884			
☉ 15 MI. Rd. 0.000			
@ 15 MI. Rd.	South	3	Replace (2) G3-11 w/(2) G3-1
	South		W2-2 (30")L
	North		W2-1 (30")

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 890 (Verona Rd.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	6	1		2	3
R1-1 (30")	9				
R2-1 (24") (35 MPH)	4	1			1
R2-1 (24") (45 MPH)	14	4	1	2	7
R2-3a (24")	1			1	1
R2-5c (24")	1				
R4-1 (24")	1	1			1
R4-2 (24")	1	1			1
"NO PARKING BETWEEN SIGNS" (12")	1	1			1
4W-3C-SA STOP & GO	2				
Flashing Red Arrow	2				
W1-2 (30")R	3	1			1
W1-2 (30")L	3				
W1-7 (48")	3				
W2-1 (30")	8	1			1
W2-2 (30")R	7				
W2-2 (30")L	5				
W3-1 (30")	1			1	1
W3-1 (36")	3			3	3
Type III O.M. (24"x48")R	2				
Type III O.M. (24"x48")L	2				

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WORK SHEET

Sheet 1 of 1

FAS 891 (G Drive N.) (Golden Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ Capital Ave. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ Capital Ave.	South		(2) D3-1
@ Capital Ave.	North		RI-1 (30")
0.044	South	1	Replace R2-1 (24")(35 MPH)
@ Brewer Dr. S.	North	2	Replace RI-2-36 w/RI-2 (36")
@ Brewer Dr. S.	South		(2) D3-1
⊕ Brewer Dr. S. 0.106			
@ Brewer Dr. S.	South	2	Replace RI-2-36 w/RI-2 (36")
@ Leland Dr. S.	South		(2) D3-1
⊕ Leland Dr. S. 0.172			
@ Leland Dr. S.	South	1	Erect RI-2 (36")
@ Leland Dr. N.	North		(2) D3-1
@ Leland Dr. N.	North	2	Replace RI-2-36 w/RI-2 (36")
⊕ Leland Dr. N. 0.183			
@ Winston Dr.	North		(2) D3-1
@ Winston Dr.	North	2	Replace RI-2-36 w/RI-2 (36")
⊕ Winston Dr. 0.257			
@ Kirkpatrick Dr.	North	2	Replace RI-2-30 w/RI-2 (36")
⊕ Kirkpatrick Dr. 0.330			
@ Kirkpatrick Dr.	North		(2) D3-1
0.362	South	2	Replace W9-1-30 w/SI-1 (36")
0.407	South	1	Replace W3-1 (36") & relocate 350' E.
0.425	North		"NO DUMPING" (24")
0.445	North		"NO DUMPING" (24")
@ Darragh Dr.	North	2	Replace RI-2-36 w/RI-2 (36")
⊕ Darragh Dr. 0.457			

WORK SHEET

FAS 891 (G Drive N.) (Golden Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ Darragh Dr.	North	(?) D3-1
0.473	South	1 Relocated W3-1 (36")
0.498	North	1 Raise R2-1 (24")(35 MPH) to 5' B.H.
@ Riverside Dr.	South	R1-1 (36")
@ Riverside Dr.	South	(?) D3-1
Q Riverside Dr. 0.520		
@ Riverside Dr.	North	R1-1 (36")
0.560	South	1 Relocated R2-1 (24")(35 MPH)
0.572	North	1 Relocated W3-1 (36")
0.604	North	2 Replace W9-1-24 w/S1-1 (36")
@ Acacia Blvd.	North	(?) D3-1
@ Acacia Blvd.	North	R1-1 (24")
Q Acacia Blvd. 0.615		
0.617	South	1 Relocate R2-1 (24")(35 MPH) 300' W.
0.629	North	1 Relocate W3-1 (36") 300' W.
@ Lakeshire Rd.	South	(?) D3-1
Q Lakeshire Rd. 0.728		
@ Lakeshire Rd.	South	2 Replace R1-2-36 w/R1-2 (36")
0.928	North	3 Replace "WELCOME TO TOWNSHIP OF BATTLE CREEK PARKING REGULATIONS ON TOWNSHIP STREETS NO PARKING 2 AM - 6 AM (36") w/I2-2a
Q Brentwood Dr. 0.944		
@ Brentwood Dr.	South	1 Erect R1-1 (24")
@ Brentwood Dr.	South	(?) D3-1
1.050	South	R2-1 (24")(35 MPH)
Q I-194 - M-66 1.068		
Q I-194 - M-66 0.000		

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WORK SHEET

Sheet 3 of

FAS 891 (G Drive N.)(Golden Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.019	North		R2-1 (24")(35 MPH)
@ Auburn	North	1	Replace RI-2-36 w/RI-2 (36")
⊕ Auburn 0.072			
@ Auburn	North	3	Replace (2) G3-11 w/(2) D3-1
@ Pawnee	North		RI-1 (24")
⊕ Pawnee 0.142			
@ Pawnee	North	3	Replace (1) G3-11 "PAWNEE" w/(1) D3-1
@ Pawnee	North		(1) D3-1 "GOLDEN AVE."
@ Cherokee	North	1	Replace RI-1 (24")
@ Cherokee	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ Cherokee 0.214			
@ Marlon	North		RI-1 (24")
@ Marlon	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ Marlon 0.295			
0.381	North		R2-1 (24")(35 MPH)
@ 6 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 6 1/2 Mi. Rd. 0.455			
0.479	South		R2-1 (24")(35 MPH)
0.655	South		R7-5 (12")
0.655	North	1	Replace "NO PARKING BETWEEN SIGNS → " w/R7-1 (12")
0.660	North		R2-1 (24")(35 MPH)
@ Beadle Lake Rd.	North	3	Erect (2) D3-1 on existing post
@ Beadle Lake Rd.	South	1	Relocate RI-1 (30") 70' E.
⊕ Beadle Lake Rd.0.690			
⊕ Beadle Lake Rd.0.000			Begin two-lane divided End pavement markings
@ Beadle Lake Rd.	North		RI-1 (30")

WORK SHEET

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Sheet 4 of 15

FAS 891 (G Drive N.) (Golden Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.018	South		R2-1 (24")(35 MPH)
0.057	Median	1	Erect R4-7 (24") & Plaque (24") facing west.
@ O'Neill St.	North		(2) D3-1
@ O'Neill St.	North		R1-1 (24")
⊕ O'Neill St. 0.158			
@ Overton	North		R1-1 (24")
⊕ Overton 0.259			
@ Overton	North	3	Replace (2) G3-11 w/(2) D3-1
0.284	North		R2-1 (24")(35 MPH)
0.295	Median	1	Erect R4-7 (24") & Plaque (24") facing east
0.320			Begin two-lane blacktop - Yellow Skip - No Pass Yellow
0.436	South		W2-2 (30")R
@ Bard	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Bard 0.488			
@ Bard	South		R1-1 (24")
0.528	South		R2-1 (24")(35 MPH)
0.528	North	1	Relocated R2-1 (24")(35 MPH)
@ Silver St.	North		R1-1 (24")
⊕ Silver St. 0.595			
@ Silver St.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ Marsha 0.601			
@ Marsha	South		R1-1 (24")
@ Marsha	South	3	Replace (2) G3-11 w/(2) D3-1
0.640	North	1	Relocate R2-1 (24")(35 MPH) 590' W.
0.708	South		W1-2 (30")L
0.800	South	1	Remove R2-1 (24")(35 MPH)

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WORK SHEET

Sheet 5 of

FAS 891 (G Drive N.)(Golden Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.878	South		W1-2 (30")L
0.921	North		R2-1 (24")(35 MPH)
0.938	North		W1-2 (30")R
⊕ Raymond Rd. 0.960			
	FAS 891 (Raymond Rd.)		
⊕ G Dr. N. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ G Dr. N.	East		RI-1 (24")
@ G Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
0.038	East		R2-1 (24")(45 MPH)
0.051	East	1	Add second post to W11-10 (36")
0.123	West		W1-2 (30")R
⊕ Raymond Rd. (Ext.) 0.296			
@ Raymond Rd. (Ext.)	East	2	Replace RI-2-36 w/RI-2 (36")
0.322	West		W11-10 (36")
0.356	East		R2-1 (24")(45 MPH)
0.366	West		R2-1 (24")(45 MPH)
0.385	West		W1-2 (30")R
0.470	West	1	Remove "DANGER DRIVE SLOW" sign
0.682	East	1	Remove W2-2 (30")R
0.766	West		R2-1 (24")(45 MPH)
@ E. River Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ E. River Dr. 0.786			
@ E. River Dr.	West	1	Erect W1-7 (48")
@ E. River Dr.	East		RI-1 (24")
@ E. River Dr.	East	1	Replace W3-1 (30")
0.802	East	1	Replace R2-1 (24")(45 MPH)

WORK SHEET

Sheet 6 of 15

FAS 891 (Raymond Rd.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.883	West	1	Remove W2-2 (30")L
0.960	West	1	Erect Type III O.M. (24"x48")R
0.964	East	1	Erect Type III O.M. (24"x48")L
1.002	West	1	Erect Type III O.M. (24"x48")L
1.008	East	1	Erect Type III O.M. (24"x48")R
1.088	East	1	Paint O.M. "L" on Bridge Column
1.098	West	1	Paint O.M. "L" on Bridge Column
1.100	West		R2-1 (24")(45 MPH)
@ Cliff	West	3	Replace (2) G3-11 w/(2) D3-1
@ Cliff	West	1	Replace R1-2-36 w/R1-2 (36")
@ Cliff 1.130			
1.166	West	1	Remove W4-2-36
@ E. Michigan (BL-94) 1.175			
@ E. Michigan (BL-94) 0.000			Four Lane Concrete Double Yellow Center Line
@ E. Michigan (BL-94)	West	3	Replace (2) G3-11 w/(2) D3-1
0.038	East		R7-2 (12")
0.038	West		R7-2 (12")
0.044	East		R2-1 (24")(35 MPH)
0.086	East		R7-2 (12")
0.086	West		R7-2 (12")
0.124	East		R7-2 (12")
0.124	West		R7-2 (12")
0.164	East		R7-2 (12")
0.164	West		R7-2 (12")
0.168	West		R2-1 (24")(35 MPH)
0.200	East		R7-2 (12")

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WORK SHEET

Sheet 7 of

FAS 891 (Raymond Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.200	West		R7-2 (12")
0.240	East		R7-2 (12")
0.240	West		R7-2 (12")
0.280	East		R7-2 (12")
0.280	West		R7-2 (12")
@ Co. Rd.	West		R1-1 (24")
⊕ Co. Rd. 0.307			
0.310	East		R7-2 (12")
0.310	East		W8-6 (30")
0.316	West		R7-2 (12")
0.358	East		R7-2 (12")
0.358	West		R7-2 (12")
0.410	West		R7-2 (12")
0.413	East	1	Replace W4-3-36 w/W4-2 (36")
0.417	East		R7-2 (12")
0.425	East	1	Relocate R2-1 (24")(35 MPH) 750' N.
@ Electric	East	3	Replace (2) G3-11 w/(2) D3-1
0.446	West		W8-6 (30")
0.449	West		R7-2 (12")
⊕ Electric 0.453			
@ Electric 0.453	East		R1-1 (30")
@ Porter St.	West		R1-1 (30")
⊕ Porter St. 0.458			
@ Porter St.	West		(2) D3-1
0.460	East	1	Replace W4-2-36 w/W9-2 (36") L
@ Porter St. (Ext.)	West	1	Add second post to R1-1 (36")

WORK SHEET

Sheet 8 of 15

FAS 891 (Raymond Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ Porter St. (Ext.) 0.480			Begin Two Lane Concrete
0.490	West		R7-1 (12")
☉ Bowers Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
☉ Bowers Rd. 0.511			
☉ Bowers Rd.	East	1	Relocate R1-1 (24") 50' W.
☉ Bowers Rd.	East	1	Erect W3-1 (30")
0.511	West		R7-1 (12")
0:546	West		R2-1 (24") (35 MPH)
0:546	West		R7-5 (12")
☉ Wildwood 0.570			
☉ Wildwood	East	1	Replace R1-1 (24")
☉ Wildwood	East	1	Erect W3-1 (30")
☉ Wildwood	East	3	Replace (2) G3-11 w/(2) D3-1
☉ Cohasset	East	3	Replace (2) G3-11 w/(2) D3-1
☉ Cohasset 0.630			
☉ Cohasset	East		R1-1 (24")
0.815	West		R2-1 (24") (35 MPH)
☉ Jameson Ave. W.	West		(2) D3-1
☉ Jameson Ave. W.	West		R1-1 (24")
☉ Jameson Ave. W. 0.916			
☉ Jameson Ave. W.	East	1	Replace R1-1 (24") & relocate 20' W.
☉ Jameson Ave. W.	East	1	Remove (2) G3-11
1.007	East		R2-1 (24") (35 MPH)
1.011	East	1	Replace W10-1 (36") & relocate 180' N.
☉ Westbrook	East	1	Relocate R1-1 (24") to right side of street
☉ Westbrook	East	3	Replace (2) G3-11 w/(2) D3-1

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WORK SHEET

Sheet 9 of 5

FAS 891 (Raymond Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ Westbrook 1.038		
1.045	East	1 Relocated W10-1 (36")
1.094	East	1 Replace R15-1
1.098	West	1 Replace R15-1
1.098	West	1 Remove "1 TRACK" sign
1.160	West	W10-1 (36")
⊕ Sovereign 1.180		
@ Sovereign	East	R1-1 (24")
@ Sovereign	East	3 Replace (2) G3-11 w/(2) D3-1
@ Hodgson	East	3 Replace (2) G3-11 w/(2) D3-1
⊕ Hodgson 1.246		
@ Hodgson	East	R1-1 (24")
1.260	West	1 Erect R2-1 (24") (35 MPH)
⊕ Corcoran 1.308		
@ Corcoran	East	R1-1 (24")
@ Corcoran	East	3 Replace (2) G3-11 w/(2) D3-1
@ McGrath	East	3 Replace (2) G3-11 w/(2) D3-1
⊕ McGrath 1.381		
@ McGrath	East	R1-1 (24")
1.400	East	R2-1 (24") (35 MPH)
⊕ Culbertson 1.444		
@ Culbertson	East	3 Replace (2) G3-11 w/(2) D3-1
@ Culbertson	East	R1-1 (24")
1.525	West	R2-1 (24") (35 MPH)
⊕ Hayes Blvd. 1.572		
@ Hayes Blvd.	East	1 Erect R1-1 (24")

WORK SHEET

Sheet 10 of 15

FAS 891 (Raymond Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Hayes Blvd.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ Emmett St. 1.576			
	FAS 891 (Bellevue Rd.)		
@ Emmett St.	South	1	Replace R1-1 (30") w/W1-7 (48")
⊕ Emmett St. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ Emmett St.	East	3	Replace (2) G3-11 w/(2) D3-1
@ Emmett St.	West	1	Relocate R1-1 (30") 130' N.
@ Willison	West		R1-1 (24")
@ Willison	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ Willison 0.072			
@ Willison	East		R1-1 (24")
	0.091	East	R2-1 (24")(50 MPH)
	0.137	West	1 Replace W3-1 (30") w/W3-1 (36")
@ Hampton Ave.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Hampton Ave.	West		R1-1 (24")
⊕ Hampton Ave. 0.179			
@ Burton Ave.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Burton Ave.	West		R1-1 (24")
⊕ Burton Ave. 0.292			
@ Paulsen Ave.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ Paulsen Ave. 0.406			
@ Paulsen Ave.	East		R1-1 (30")
@ Paulsen Ave.	East	1	Erect W3-1 (30")
	0.500	East	1 Erect R2-1 (24")(50 MPH)
	0.500	West	1 Erect R2-1 (24")(50 MPH)
	0.796	West	1 Relocate R2-1 (24")(50 MPH) 1500' N.

WORK SHEET

FAS 891 (Bellevue Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.891	East	R2-1 (24")(50 MPH)
1.005	East	W1-2 (30")R
1.042	East	W2-2 (30")R
1.080	West	1 Relocated R2-1 (24")(50 MPH)
@ N Dr. N. (Gorsline Rd.)	East	3 Replace (2) G3-11 w/(2) D3-1
⊕ N Dr. N. (Gorsline Rd.) 1.125		
⊕ N Dr. N. (Gorsline Rd.) 0.000		
@ N Dr. N. (Gorsline Rd.)	East	R1-1 (24")
@ N Dr. N. (Gorsline Rd.)	East	1 Replace W3-1 (30") w/W3-1 (36")
@ N Dr. N. (Gorsline Rd.)	West	W1-7 (48")
0.040	East	1 Erect R2-1 (24")(50 MPH)
0.179	West	W2-2 (30")L
0.245	West	W1-2 (30")L
0.450	West	1 Erect R2-1 (24")(50 MPH)
@ Daugherty	West	1 Erect R1-1 (24")
⊕ Daugherty 0.492		
@ Daugherty	West	3 Replace (2) G3-11 w/(2) D3-1
0.532	East	1 Erect R2-1 (24")(50 MPH)
0.634	East	W2-1 (30")
@ Sellers Rd.	West	1 Erect R1-1 (24")
⊕ Sellers Rd. 0.693		
@ Sellers Rd.	West	3 Replace (2) G3-11 w/(2) D3-1
0.745	West	1 Erect R2-1 (24")(50 MPH)
@ 9 Mi. Rd. (McAllister Rd.)	West	R1-1 (30")
@ 9 Mi. Rd. (McAllister Rd.)	West	1 Replace W3-1-24 w/W3-1 (36")
⊕ 9 Mi. Rd. (McAllister Rd.) 10.777		

WORK SHEET

Sheet 12 of 15

FAS 891 (Bellevue Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 9 MI. Rd. (McAllister Rd.) 0.000			
@ 9 MI. Rd. (McAllister Rd.)	East		RI-1 (30")
@ 9 MI. Rd. (McAllister Rd.)	East	1	Replace W3-1-24 w/W3-1 (36")
@ 9 MI. Rd. (McAllister Rd.)	East	3	Replace (2) G3-11 w/(2) D3-1
0.030	East	1	Erect R2-3a (24")
0.156	West		W2-1 (30")
0.189	West	1	Erect R2-5c (24")
0.189	East	1	Replace WI-2 (30")R & Erect WI3-1 (18") (40 MPH)
0.587	West	1	Erect WI3-1 (18")(40 MPH) on WI-2 (30")L
1.096	East		W2-2 (30")L
@ Pine Lake Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Pine Lake Rd. 1.240			
@ Pine Lake Rd. 0.000			
0.050	East	1	Erect WI3-1 (18")(35 MPH) on WI-2 (30")R
0.077	East	1	Remove W2-2 (30")L
0.154	West	1	Remove W2-2 (30")R
@ Chippewa Tr.	North	1	Replace RI-2-36 w/RI-1 (24")
@ Chippewa Tr.	North	3	Replace (2) G3-11 w/(2) D3-1
@ Chippewa Tr. 0.214			
0.231	South		W2-2 (30")R
0.286	North	1	Remove W2-2 (30")R
0.328	North	1	Erect WI3-1 (18")(35 MPH) on WI-2 (30")L
@ Jessup Rd. 0.366			
@ Jessup Rd. 0.000			
@ Jessup Rd.	North	1	Erect WI-7 (48")
@ Jessup Rd.	South		RI-1 (24")

WORK SHEET

FAS 891 (Bellevue Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Jessup Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
@ Jessup Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.061	North		W2-2 (30")L
0.141	South	1	Erect Type III O.M. (12"x36")L
0.160	North	1	Replace Type III O.M. (12"x36")R
0.167	North		Type III O.M. (12"x36")L
0.221	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.250	South		W2-2 (30")R
Q 11 MI. Rd.(Ext.) (Wheatfield Rd.) 0.371			
@ 11 MI. Rd. (Ext.) (Wheatfield Rd.)	South	1	Replace R1-2-36 w/R1-1 (24")
@ 11 MI. Rd. (Ext.) (Wheatfield Rd.)	South	3	Replace (2) G3-11 w/(2) D3-1
Q 11 MI. Rd. (Wheatfield Rd.) 0.398			
Q 11 MI. Rd. (Wheatfield Rd.) 0.000			
0.089	East		W1-2 (30")R
0.122	West		W2-2 (30")L
0.146	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.362	East		W1-2 (30")L
0.449	West		W1-2 (30")L
0.600	East		W2-2 (30")R
0.661	West		W1-2 (30")R
0.701	East	1	Replace W1-5 (30")R
@ Q Dr. N. (Callender Rd.)	East	3	Replace (2) G3-11 w/(2) D3-1
Q Q Dr. N. (Callender Rd.) 0.746			
Q Q Dr. N. (Callender Rd.) 0.000			
@ Q Dr. N. (Callender Rd.)	West	1	Erect W1-7 (48")
@ Q Dr. N. (Callender Rd.)	East	1	Replace R1-2-36 w/R1-1 (30")

WORK SHEET

FAS 891 (Bellevue Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Q Dr. N. (Callender Rd.)	East	1	Replace W2-4 (30") w/W3-1 (36")
0.144	West		W2-2 (30")L
0.543	West		W1-5 (30")L
1.022	East		W2-2 (30")R
☉ Bellevue Rd. (Ext.) 1.126			
@ Bellevue Rd. (Ext.)	East	1	Erect RI-1 (24") facing east
@ Bellevue Rd. (Ext.) @ 12 Mile Rd.	Southwest Corner	1	Erect RI-2 (36") facing northwest
☉ 12 MI. Rd. 1.149			
☉ 12 MI. Rd. 0.000			
@ 12 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
@ 12 MI. Rd.	East	1	Relocate RI-1 (24") 80' N.
@ 12 MI. Rd.	East	1	Replace W2-4 (30") w/W3-1 (36")
0.097	East		W2-3 (30")R
0.142	West	1	Remove W2-2 (30")L
☉ S Dr. N. 0.246			
0.257	East	1	Remove W2-1 (30")
@ 12 1/2 MI. Rd.	West	1	Replace RI-2-36 w/RI-1 (30")
@ 12 1/2 MI. Rd.	West	1	Replace W3-2 (30") w/W3-1 (36")
☉ 12 1/2 MI. Rd. 0.339			
@ 12 1/2 MI. Rd.	East	1	Replace RI-2 (36") w/RI-1 (24")
@ 12 1/2 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
0.468	West		W2-1 (30")
0.621	East		W1-2 (30")L
0.804	East	1	Erect W1-6 (48") facing southwest
0.852	East	1	Erect W1-1 (30")L & W13-1 (18")(25 MPH)
0.937	West		W1-2 (30")R

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 3

Route FAS 891 (G Drive N.)(Golden Ave.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	38	3		8	11
R1-1 (30")	11			2	2
R1-1 (36")	3				
R1-2 (36")	13		9	4	13
R2-1 (24") (35 MPH)	22	1		1	2
R2-1 (24") (45 MPH)	6	1			1
R2-1 (24") (50 MPH)	9			6	6
R2-3a (24")	1			1	1
R2-5c (24")	1			1	1
R4-7 (24") & Plaque (24")	2			2	2
R7-1 (12")	3			1	1
R7-2 (12")	21				
R7-5 (12")	2				
R15-1	2	2			2
"NO DUMPING" (24")	2				
W1-1 (30")R	1				
W1-1 (30")L	1			1	1
W1-2 (30")R	10	1			1
W1-2 (30")L	9				
W1-3 (30")R	2			2	2
W1-5 (30")R	1	1			1
W1-5 (30")L	1				
W1-6 (48")	3			1	1





QUANTITY SHEET

County Calhoun

Sheet 2 of 3

Route EAS 891 (G Drive N.) (Golden Ave.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
W1-7 (48")	5			4	4
W2-1 (30")	3				
W2-2 (30")R	6				
W2-2 (30")L	5				
W2-3 (30")R	1				
W3-1 (30")	4	1		3	4
W3-1 (36")	10	1		8	9
W4-2 (36")	1			1	1
W8-6 (30")	2				
W9-2 (36")L	1			1	1
W10-1 (36")	2	1			1
W11-10 (36")	2				
W13-1 (18")(25 MPH)	2			2	2
W13-1 (18")(30 MPH)	2			2	2
W13-1 (18")(35 MPH)	4			4	4
W13-1 (18")(40 MPH)	2			2	2
Type  O.M. (12"x36")R	3	3			3
Type  O.M. (12"x36")L	4	2		1	3
Type  O.M. (24"x48")R	2			2	2
Type  O.M. (24"x48")L	2			2	2
SI-1 (36")	2		2		2

WORK SHEET

Sheet 1 of 2

FAS 892 (McAllister Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ Verona Rd. 0.000		Blacktop-Yellow Skip-No Pass Yellow
@ Verona Rd.	West	RI-1 (30")
0.038	East	1 Erect R2-1 (24")(50 MPH)
0.156	West	1 Replace W3-1 (30") w/W3-1 (36")
0.486	East	WI-2 (30")L
0.591	West	R2-1 (24")(50 MPH)
@ Poulsen Ave.	West	RI-1 (30")
@ Poulsen Ave.	West	1 Erect W3-1 (30")
@ Poulsen Ave.	East	3 Replace (2) G3-11 w/(2) D3-1
☉ Poulsen Ave. 0.617		
☉ Joy Rd. 0.692		
@ Joy Rd.	East	3 Replace (2) G3-11 w/(2) D3-1
@ Joy Rd.	East	RI-1 (24")
0.715	East	R2-1 (24")(50 MPH)
0.790	West	1 Raise WI-2 (30")R. to 5' B.H.
1.072	East	1 Erect WI3-1 (18")(35 MPH) on WI-2 (30")R
1.127	West	R2-1 (24")(50 MPH)
☉ Gorsline Rd. (Ext.) 1.205		
☉ Gorsline Rd. (Ext.) 0.000		
@ Gorsline Rd. (Ext.)	West	2 Replace RI-2-36 w/RI-2 (36")
@ Gorsline Rd. (Ext.)	East	1 Erect WI-6 (48") facing south
@ Gorsline Rd. (Ext.)	East	3 Replace (2) G3-11 w/(2) D3-1
0.030	East	W2-1 (30")
@ Gorsline Rd.	West	3 Replace (2) G3-11 w/(2) D3-1
@ Gorsline Rd.	West	1 Replace RI-1 (24")
@ Gorsline Rd.	West	1 Replace W2-1 (30") w/W3-1 (30")

WORK SHEET

Sheet 2 of 10

FAS 892 (N Drive N.) (Gorsline Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ McAllister Rd.	North		W2-1 (30")
⊕ McAllister Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ McAllister Rd.	North		RI-1 (24")
@ Gorsline Rd.(Ext.)	South	1	Replace RI-2-36 w/RI-1 (30")
0.118	North	1	Remove W2-1 (30")
⊕ Gorsline Rd. (Ext.) 0.120			
0.185	South		R2-1 (24")(50 MPH)
0.244	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.665	South		W2-2 (30")R
0.766	North	1	Relocated R2-1 (24")(50 MPH)
⊕ Palmiter Rd. 0.772			
@ Palmiter Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ Palmiter Rd.	South		RI-1 (24")
@ Palmiter Rd.	South	1	Replace W2-4 (30") w/W3-1 (30")
0.778	South	1	Erect R2-3a (24")
0.798		1	Relocate R2-1 (24")(50 MPH) 170' W.
0.882	North	1	Remove W2-2 (30")L
1.016	North	1	Replace R2-1 (24") & R2-4-24 w/R2-5c (24")
1.052	South	1	Remove W2-2 (30")L
@ Jessup Rd.	North	1	Replace RI-1 (24")
@ Jessup Rd.	North		W3-1 (30")
@ Jessup Rd.	South	1	Erect W1-7 (48")
⊕ Jessup Rd. 1.157			
⊕ Jessup Rd. 0.000			
@ Jessup Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.090	North	1	Remove W2-2 (30")R

WORK SHEET

FAS 892 (N Drive N.) (Gorsline Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.752	South		W2-1 (30")
@ 11 Mi. Rd. (Wheatfield Rd.)	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ 11 Mi. Rd. (Wheatfield Rd.) 0.901			
⊕ 11 Mi. Rd. (Wheatfield Rd.) 0.000			
0.148	North	1	Remove W2-1 (30")
0.876	South		W2-1 (30")
1.003	North	1	Remove "SPEED RADAR TIMED" sign
@ 12 Mile Rd.	North		R1-1 (30")
@ 12 Mi. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
⊕ 12 Mi. Rd. 1.021			
⊕ 12 Mi. Rd. 0.000			
@ 12 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 12 Mi. Rd.	South		R1-1 (30")
@ 12 Mi. Rd.	South		W3-1 (30")
0.025	South	1	Replace R7-5 (12")
0.145	North		W2-1 (30")
0.840	South	1	Remove W2-2 (30")L
@ 13 Mi. Rd.	North		R1-1 (30")
@ 13 Mi. Rd.	North	1	Replace W2-4 (30") w/W3-1 (30")
@ 13 Mi. Rd.	South	1	Erect W1-7 (48")
⊕ 13 Mi. Rd. 0.984			
⊕ 13 Mi. Rd. 0.000			
@ 13 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.131	North	1	Remove W2-2 (30")R
0.887	South	1	Remove W2-1 (30")
⊕ 14 Mi. Rd, 0.018			

WORK SHEET

Sheet 4 of 10

FAS 892 (N Drive N.) (Gorsline Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ 14 MI. Rd. 0.000		
@ 14 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
0.145	North	1 Remove W2-1 (30")
0.878	South	1 Remove W2-2 (30")L
@ 15 MI. Rd.	North	RI-1 (30")
@ 15 MI. Rd.	North	1 Replace W2-4 (30") w/W3-1 (36")
@ 15 MI. Rd.	South	1 Erect W1-7 (48")
⊙ 15 MI. Rd. 1.022		
⊙ 15 MI. Rd. 0.000		
@ 15 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
0.146	North	1 Remove W2-2 (30")R
0.322	South	W2-1 (30")
0.345	South	1 Erect W1-4 (30")L
@ 15 1/2 MI. Rd.	North	RI-1 (36")
@ 15 1/2 MI. Rd.	North	1 Replace W3-1 (30") w/W3-1 (36")
⊙ 15 1/2 MI. Rd. 0.457		
@ 15 1/2 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 15 1/2 MI. Rd.	South	RI-1 (30")
@ 15 1/2 MI. Rd.	South	1 Replace W2-1 (30") w/W3-1 (30")
1.017	North	1 Erect W1-4 (30")L
@ 16 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
⊙ 16 MI. Rd. 1.044		
⊙ 16 MI. Rd. 0.000		Begin White Skip
0.076	South	W8-6 (30")
0.150	North	1 Remove W2-1 (30")
⊙ I-69 0.189		

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FAS 892 (N Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.310	North		W8-6 (30")
0.360	South	1	Erect W1-2 (30")R
0.565	North	2	Replace R1-2-36 w/R1-2 (36")
0.618	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.640	South	1	Remove W2-2 (30")L
0.734	North		W1-2 (30")L
@ 17 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 17 MI. Rd.	North		R1-1 (24")
@ 17 MI. Rd.	North	1	Remove W2-4 (30")
⊙ 17 MI. Rd. 0.785			
⊙ 17 MI. Rd. 0.000			
0.148	North		W2-2 (30")R
0.166	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.621	South	1	Remove W2-2 (30")R
⊙ 17 1/2 MI. Rd. 0.766			
@ 17 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 17 1/2 MI. Rd.	South	1	Replace R1-2-36 w/R1-1 (24")
@ 17 1/2 MI. Rd.	South	1	Replace W2-4 (30") w/W3-1 (30")
0.910	North	1	Remove W2-2 (30")L
⊙ Old US-27 1.200			
⊙ Old US-27 0.000			End White Skp
@ Old US-27	South	3	Erect (2) D3-1
0.035	South	1	Remove W2-1 (30")
@ 18 MI. Rd.	North		R1-1 (24")
⊙ 18 MI. Rd. 0.082			
@ 18 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

FAS 892 (N Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 18 Mi. Rd.	South		RI-1 (24")
@ 18 Mi. Rd.	South		W3-1 (36")
0.233	North	1	Remove W2-1 (30")
0.390			Begin White Skip
0.920	South	1	Remove W2-1 (30")
@ 19 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 19 Mi. Rd.	North		RI-1 (30")
@ 19 Mi. Rd.	North		W3-1 (36")
⊕ 19 Mi. Rd. 1.066			
⊕ 19 Mi. Rd. 0.000			
@ 19 Mi. Rd.	South		RI-1 (30")
@ 19 Mi. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.148	North	1	Remove W2-1 (30")
0.345	South	1	Erect Type III O.M. (12"x36")L
0.350	North	1	Erect Type III O.M. (12"x36")L
0.616	South		W2-2 (30")R
⊕ 20 Mi. Rd. 0.746			
@ 20 Mi. Rd.	South	1	Replace RI-1 (24")
@ 20 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 20 Mi. Rd. 0.781			
@ 20 Mi. Rd.	South		RI-1 (24")
@ 20 Mi. Rd.	South		W3-1 (36")
0.915	North	1	Remove W2-2 (30")L
1.385	South		W3-1 (36")
@ 20 1/2 Mi. Rd.	South		RI-1 (30")
@ 20 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1

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FAS 892 (N Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ 20 1/2 Mi. Rd. 1.532			
	FAS 892 (20 1/2 Mile Rd.)		
☉ N Dr. N. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ N Dr. N.	East		W1-7 (48")
0.146	East	1	Remove W2-2 (30")L
0.360	West	1	Remove W2-2 (30")L
@ M Dr. N.	West		W1-7 (48")
☉ M Dr. N. 0.504			
	FAS 892 (M Drive N.)		
☉ 20 1/2 Mi. Rd. 0.000			Blacktop - White Skip - No Pass Yellow
@ 20 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 20 1/2 Mi. Rd.	North		R1-1 (24")
0.152	North	1	Replace W3-1 (30") w/W3-1 (36")
0.621	South	1	Remove W2-2 (30")L
0.710	South	1	Erect Type III O.M. (12"x36")L
0.712	North	1	Erect Type III O.M. (12"x36")L
@ 21 1/2 Mi. Rd. (N.)	North	3	Replace (2) G3-11 w/(2) D3-1
@ 21 1/2 Mi. Rd. (N.)	North		R1-1 (24")
@ 21 1/2 Mi. Rd. (N.)	North	1	Replace W2-4 (30") w/W3-1 (36")
@ 21 1/2 Mi. Rd.	South		W1-7 (48")
☉ 21 1/2 Mi. Rd. (N.) 0.768			
0.876	South		W2-2 (30")R
0.930	North	1	Remove W2-2 (30")R
☉ 21 1/2 Mi. Rd. (S.) 1.021			
☉ 21 1/2 Mi. Rd. (S.) 0.000			
@ 21 1/2 Mi. Rd. (S.)	South	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

Sheet 8 of 10

FAS 892 (M Drive N.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ 21 1/2 MI. Rd. (S.)	South	1	Replace RI-1 (30")
@ 21 1/2 MI. Rd. (S.)	South		W3-1 (30")
0.148	North		W2-2 (30")L
0.758	South	1	Erect Type III O.M. (12"x36")L
0.762	North	1	Erect Type III O.M. (12"x36")L
@ 23 MI. Rd.	South		RI-1 (30")
Q 23 MI. Rd. 1.527			
@ 23 MI. Rd.	East		W1-7 (48")
@ 23 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
	FAS 892 (L Drive N.)		
@ 23 MI. Rd.	West		W1-7 (48")
Q 23 MI. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 23 MI. Rd.	North		RI-1 (30")
@ 23 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.012	South		R7-5 (12")
0.148	North	1	Replace W3-1 (30") w/W3-1 (36")
0.872	South		W2-1 (30")
@ 24 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 24 MI. Rd.	North		RI-1 (30")
@ 24 MI. Rd.	North		W3-1 (30")
Q 24 MI. Rd. 1.018			
Q 24 MI. Rd. 0.000			
@ 24 MI. Rd.	South		RI-1 (24")
@ 24 MI. Rd.	South		W3-1 (30")
0.150	North	1	Remove W2-1 (30")
1.267	South	1	Replace Type III O.M. (12"x48")L

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WORK SHEET

Sheet 9 of 2

FAS 892 (L Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.267	North		Type III O.M. (12"x48")R
1.275	South	1	Replace Type III O.M. (12"x48")R
1.275	North	1	Replace Type III O.M. (12"x48")L
1.500	South	1	Remove W2-2 (30")R
@ 26 Mi. Rd. 1.648			
@ 26 Mi. Rd. 0.000			
@ 26 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.104	South	1	Remove W2-2 (30")L
0.150	North		W2-2 (30")L
@ 26 Mi. Rd. 0.252			Begin White Skip
@ 26 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.400	North	1	Remove W2-2 (30")R
0.883	South	1	Remove W2-1 (30")
@ 27 Mi. Rd.	North		R1-1 (30")
@ 27 Mi. Rd.	North		W3-1 (30")
@ 27 Mi. Rd. 1.028			
@ 27 Mi. Rd. 0.000			
@ 27 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 27 Mi. Rd.	South		R1-1 (30")
@ 27 Mi. Rd.	South		W3-1 (30")
0.146	North	1	Remove W2-1 (30")
0.864	South	1	Replace W3-1 (30") w/W3-1 (36:)
@ 28 Mi. Rd.	South		R1-1 (30")
@ 28 Mi. Rd. 1.013			
@ 28 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1

County CalhounSheet 1 of 2Route FAS 892 (McAllister Rd.)Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	15	2		1	3
RI-1 (30")	22	1		1	2
RI-1 (36")	1				
RI-2 (36")	2		2		2
RI-3 (12")	3			3	3
R2-1 (24")(50 MPH)	5			1	1
R2-3a (24")	1			1	1
R2-5c (24")	1			1	1
R7-5 (12")	2	1			1
WI-2 (30")R	4			1	1
WI-2 (30")L	4				
WI-4 (30")L	2			2	2
WI-6 (48")	1			1	1
WI-7 (48")	8			3	3
W2-1 (30")	8				
W2-2 (30")R	4				
W2-2 (30")L	2				
W3-1 (30")	13			6	6
W3-1 (36")	17	1		12	13
W8-6 (30")	2				
W13-1 (18")(35 MPH)	4			4	4
Type III O.M. (12"x36")L	6			6	6
Type III O.M. (12"x48")R	4	1			1

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WORK SHEET

Sheet 1 of 4

FAS 893 (K Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
€ 2 Mi. Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ 2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.038	South		Type III O.M. (12"x36")L
0.038	North		Type III O.M. (12"x36")R
0.043	South		Type III O.M. (12"x36")R
0.043	North		Type III O.M. (12"x36")L
0.046	South		W8-1 (30")
0.146	North		W2-2 (30")L
0.174	South		Type III O.M. (12"x36")L
0.174	North		Type III O.M. (12"x36")R
0.176	South		Type III O.M. (12"x36")R
0.176	North		Type III O.M. (12"x36")L
0.312	South		Type III O.M. (12"x36")L
0.312	North		Type III O.M. (12"x36")R
0.315	South		Type III O.M. (12"x36")R
0.315	North		Type III O.M. (12"x36")L
0.326	North		W8-1 (30")
0.364	South	1	Replace W2-2 (30")L
@ 2 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 2 1/2 Mi. Rd.	North		R1-1 (30")
@ 2 1/2 Mi. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
€ 2 1/2 Mi. Rd. 0.509			
€ 2 1/2 Mi. Rd. 0.000			
0.144	North	1	Remove W2-2 (30")R
0.686	South	1	Replace R2-1 (24") (35 MPH) & R2-4-24 w/ R2-5c (24") & relocate 285' E.
0.740	South	1	Relocated R2-5c (24")

WORK SHEET

FAS 893 (K Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.878	South	1 Remove W2-2 (30")L
1.014	North	1 Replace R2-1 (24")(35 MPH) & "ENDS" panel w/R2-3a (24")
@ 3 1/2 MI. Rd. 1.024		
@ 3 1/2 MI. Rd. 0.000		
@ 3 1/2 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
0.052	South	1 Replace R2-1 (24")(35 MPH)
0.143	North	1 Replace W2-2 (30")R
0.168	North	R2-1 (24")(35 MPH)
0.460	South	1 Remove W2-2 (30")R
@ Co. Rd. 0.511		
@ Co. Rd.	South	1 Relocate R1-1 (30") 50' N.
0.583	North	W2-2 (30")L
0.631	South	R2-1 (24")(35 MPH)
0.642	South	Type III O.M. (12"x36")L
0.642	North	Type III O.M. (12"x36")R
0.648	South	Type III O.M. (12"x36")R
0.648	North	Type III O.M. (12"x36")L
0.654	North	1 Remove "SLOW" sign
0.665	South	1 Replace W9-1-24 w/SI-1 (36")
0.775	North	R2-1 (24")(35 MPH)
0.994	South	R7-1 (12")
0.994	North	R7-1 (12")
1.009	North	1 Replace W9-1-24 w/SI-1 (36")
@ M-66	North	3 Replace (2) G3-11 w/(2) D3-1
@ M-66 1.028		
@ M-66 0.000		

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WORK SHEET

Sheet 3 of 1

FAS 893 (K Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.035	South	1 Erect R2-3a (24")
0.035	North	R7-1 (12")
0.284	North	1 Erect R2-5c (24")
0.378	South	1 Remove W2-1 (30")
@ 5 Mi. Rd.	North	R1-1 (36")
@ 5 Mi. Rd.	North	1 Replace W3-1 (30") w/W3-1 (36")
@ 5 Mi. Rd. 0.501		
@ 5 Mi. Rd. 0.000		
@ 5 Mi. Rd.	South	3 Replace (?) G3-11 w/(?) D3-1
@ 5 Mi. Rd.	South	R1-1 (24")
@ 5 Mi. Rd.	South	1 Replace W2-1 (30") w/W3-1 (30")
0.142	North	1 Remove W2-1 (30")
0.551	South	Type III O.M. (12"x36")L
0.551	North	Type III O.M. (12"x36")R
0.555	South	Type III O.M. (12"x36")R
0.555	North	Type III O.M. (12"x36")L
0.674	South	1 Replace "NO DUMPING" sign
0.865	South	1 Remove W2-2 (30")R
@ 6 Mi. Rd.	South	3 Replace (?) G3-11 w/(?) D3-1
@ 6 Mi. Rd. 1.018		
@ 6 Mi. Rd. 0.000		Begin White Skip
@ 6 Mi. Rd.	South	1 Replace R1-1 (24")
@ 6 Mi. Rd.	South	1 Replace W3-1 (30")
0.144	South	1 Remove W2-2 (30")L
0.167	North	W2-2 (30")L
@ 6 1/2 Mi. Rd.	South	3 Replace (?) G3-11 w/(?) D3-1

WORK SHEET

Sheet 4 of 14

FAS 893 (K Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ 6 1/2 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
@ 6 1/2 MI. Rd.	North	1	Replace W2-4 (30") w/W3-1 (30")
⊙ 6 1/2 MI. Rd. 0.290			
0.425	North	1	Remove W2-2 (30")R
0.844	South	2	Replace W2-3 (30")Rw/W2-3 (36")R
0.871	South	1	Replace W3-2 (30") w/W3-2 (36")
⊙ 7 MI. Rd. (Ext.) 0.956			
@ 7 MI. Rd. (Ext.)	South	1	Replace RI-2-36 w/RI-1 (30")
0.975	South		DI-1a
⊙ 7 MI. Rd. 0.992			
	FAS 893 (J Drive S.)		
⊙ 7 1/2 MI. Rd. 0.000			Blacktop-White Skip-No Pass Yellow
@ 7 1/2 MI. Rd.	North		RI-1 (30")
0.146	North	1	Replace W3-1 (30") w/W3-1 (36")
0.720	South	1	Replace Type III O.M. (12"x36")L
0.720	North	1	Replace Type III O.M. (12"x36")R
0.736	South	1	Replace Type III O.M. (12"x36")R
0.736	North	1	Replace Type III O.M. (12"x36")L
1.416	South	1	Remove W2-2 (30")L
@ Lakeside Dr.	North	1	Replace RI-2-30 w/RI-1 (24")
⊙ Lakeside Dr. 1.568			
⊙ Lakeside Dr. 0.000			
@ Lakeside Dr.	North	3	Replace (2) G3-11 w/(2) D3-1
0.148	North	1	Replace W2-2 (30")R
0.463	South	1	Replace W1-2 (30")L
0.610	South		W2-1 (30")

WORK SHEET

FAS 893 (J Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊙ J Dr. S.(Ext.) 0.627			
@ J Dr. S. (Ext.)	North	2	Replace RI-2-36 w/RI-2 (36")
@ Oak Grove Rd.	South	1	Erect RI-2 (36")
@ Oak Grove Rd.	North	3	Replace (?) G3-11 w/(?) D3-1
⊙ Oak Grove Rd. 0.652			
	FAS 893 (Oak Grove Rd.)		
⊙ J Dr. S. 0.000			
@ J Dr. S.(Ext.)	East	2	Replace RI-2-36 w/RI-2 (36")
⊙ J Dr. S.(Ext.) 0.042			
@ 10 MI. Rd.	West		RI-1 (30")
@ 10 MI. Rd.	West	1	Replace W3-1 (30") w/W3-1 (36")
⊙ 10 MI. Rd. 0.122			
@ 10 MI. Rd.	East	3	Replace (?) G3-11 w/(?) D3-1
@ 10 MI. Rd.	East		RI-1 (30")
@ 10 MI. Rd.	East	1	Remove W3-1 (30")
	West		WI-2 (30")R
	West		W2-1 (30")
	East		WI-2 (30")L
	West		WI-2 (30")R
	East		WI-2 (30")R
	East		W2-2 (30")L
@ I Dr. S.	West	3	Replace (?) G3-11 w/(?) D3-1
@ I Dr. S.	West		RI-1 (24")
@ I Dr. S.	West		W3-1 (30")
⊙ I Dr. S. 1.055			

WORK SHEET

FAS 893 (I Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ Oak Grove Rd. 0.000		Blacktop-White Skip-No Pass Yellow
0.122	North	W2-2 (30")R
0.139	North	W1-2 (30")L
0.477	South	1 Replace W3-1 (30") w/W3-1 (36")
@ 11 Mi. Rd.	South	RI-1 (30")
⊕ 11 Mi. Rd. 0.644		
⊕ 11 Mi. Rd. 0.000		
@ 11 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 11 Mi. Rd.	North	RI-1 (30")
0.064	South	1 Remove W12-7-24
0.156	North	W3-1 (36")
@ 12 Mi. Rd.	South	1 Replace RI-2-36 w/RI-1 (30")
@ 12 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
⊕ 12 Mi. Rd. 1.043		
	FAS 893 (12 Mile Rd.)	
@ I Dr. S.	East	W1-7 (48")
⊕ I Dr. S. 0.000		Blacktop
0.047	East	1 Remove W2-2 (30")R
0.133	West	1 Remove W2-2 (30")R
@ H Dr. S.	West	W1-7 (48")
⊕ H Dr. S. 1.182		
	FAS 893 (H Drive S.)	
⊕ 12 Mi. Rd. 0.000		Blacktop-White Skip-No Pass Yellow
@ 12 Mi. Rd.	North	1 Replace RI-2-36 w/RI-1 (30")
@ 12 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
0.146	North	1 Replace W3-2 (30") w/W3-1 (36")

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WORK SHEET

Sheet 7 of 1

FAS 893 (H Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.541	South		Type III O.M. (12"x36")L
0.541	North		Type III O.M. (12"x36")R
0.545	South		Type III O.M. (12"x36")R
0.545	North		Type III O.M. (12"x36")L
0.889	South	1	Remove W2-1 (30")
@ 13 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 13 MI. Rd. 1.035			
⊕ 13 MI. Rd. 0.000			
0.147	North		W2-1 (30")
0.243	South		W1-4 (30")L
⊕ G Dr. S. 0.398			
@ G Dr. S.	South	3	Replace (2) G3-11 w/(2) D3-1
	FAS 893 (G Drive S.)		
⊕ H Dr. S. 0.000			Blacktop-White Skip-No Pass Yellow
0.197	South		W2-2 (30")R
0.282	North		W1-4 (30")L
⊕ 13 1/2 MI. Rd. 0.347			
@ 13 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 13 1/2 MI. Rd.	South		R1-1 (24")
@ 13 1/2 MI. Rd.	South	1	Replace W2-4 (30") w/W3-1 (30")
0.505	North		W2-2 (30")L
0.744	South	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")L
0.766	South		W2-2 (30")R
⊕ 14 MI. Rd. 0.918			
⊕ 14 MI. Rd. 0.000			
@ 14 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

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Sheet 8 of 14

FAS 893 (G Drive S.)

REFERENCE		LOCATION	PRIORITY & DESCRIPTION	
	@ 14 Mi. Rd.	South	1	Erect RI-1 (24")
	0.012	South	1	Erect WI3-1 (18")(25 MPH) on WI-1 (30")R
	0.035	South		Type III O.M. (12"x36")L
	0.035	North		Type III O.M. (12"x36")R
	0.040	South		Type III O.M. (12"x36")R
	0.040	North		Type III O.M. (12"x36")L
	0.108	North	1	Erect WI3-1 (18")(25 MPH) on WI-1 (30")R
	0.298	North	1	Erect WI3-1 (18")(25 MPH) on WI-1 (30")L
	0.712	South	1	Erect WI3-1 (18")(10 MPH) on WI-1 (30")L
	0.967	East	1	Erect WI3-1 (18")(15 MPH) on WI-1 (30")R
	1.007	West	1	Erect WI3-1 (18")(10 MPH) on WI-1 (30")R
	@ 15 Mi. Rd. 1.100			
	@ 15 Mi. Rd. 0.000			
	@ 15 Mi. Rd.	North	3	Replace (?) G3-11 w/(?) D3-1
	0.146	North	3	Erect WI3-1 (18")(15 MPH) on WI-1 (30")L
	0.599	South		W3-2 (36")
	@ 15 1/2 Mi. Rd.	South	2	Replace RI-2-36 w/RI-2 (36")
	@ 15 1/2 Mi. Rd.	South	3	Replace (?) G3-11 w/(?) D3-1
	@ 15 1/2 Mi. Rd. 0.749			
		FAS 893 (15 1/2 Mile Rd.)		
	@ G Dr. S.	East		WI-7 (48")
	@ G Dr. S. 0.000			Blacktop-White Skip-No Pass Yellow
	0.108	East		W2-2 (30")R
	0.149	West		W2-2 (30")R
	@ F Dr. S.	West		WI-7 (48")
	@ F Dr. S. 0.254			

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WORK SHEET

Sheet 9 of 1

FAS 893 (F Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
€ 15 1/2 MI. Rd. 0.000			Blacktop-White Skip-No Pass Yellow
@ 15 1/2 MI. Rd.	North	1	Replace R1-2-36 w/R1-1 (30")
@ 15 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.023	South		R4-1 (24")
0.162	North	1	Replace W3-2 (30") w/W3-1 (36")
0.202	North	1	Replace R4-2 (24")
€ I-69 0.240			
0.286	South		R4-2 (24")
0.466	North		R4-1 (24")
1.124	South		W3-1 (36")
@ Old 27	South	3	Replace (2) G3-11 w/(2) D3-1
@ Old 27	South		R1-1 (36")
€ Old 27 1.273			
€ Old 27 0.000			
@ Old 27	North		R1-1 (36")
0.150	North		W3-1 (36")
0.868	South	1	Remove W2-2 (30")L
@ 18 MI. Rd.	North		R1-1 (30")
@ 18 MI. Rd.	North	1	Remove W3-1 (30")
@ 18 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
€ 18 MI. Rd. 1.014			
€ 18 MI. Rd. 0.000			
0.154	North	1	Remove W2-2 (30")R
0.263	South	1	Remove W2-2 (30")R
€ 18 1/2 MI. Rd. 0.408			
@ 18 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

FAS 893 (F Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.556	North	1	Remove W2-2 (30")L
0.778	South	1	Replace W2-2 (30")R
Q 19 Mi. Rd. 0.921			
Q 19 Mi. Rd. 0.000			
@ 19 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 19 Mi. Rd.	South		RI-1 (30")
@ 19 Mi. Rd.	South	1	Remove W2-4 (30")
0.146	North		W2-2 (30")L
0.618	South		W2-2 (30")L
Q 19 1/2 Mi. Rd. 0.762			
@ 19 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 19 1/2 Mi. Rd. (Ext.)	North		RI-1 (36")
0.913	North		W2-2 (30")R
0.126	South		W2-2 (30")R
@ 20 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
Q 20 Mi. Rd. 1.272			
Q 20 Mi. Rd. 0.000			
0.145	North		W2-2 (30")L
0.623	South		W2-2 (30")L
@ 21 Mi. Rd.	North	1	Remove W2-4 (30")
@ 21 Mi. Rd.	North	1	Replace RI-2-36 w/RI-1 (30")
Q 21 Mi. Rd. 0.767			
Q 21 Mi. Rd. 0.000			
@ 21 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.149	North	1	Remove W2-2 (30")R
0.634	South	1	Replace R2-1 (24")(35 MPH) & R2-4-24 w/R2-5c (24")

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Sheet 11 of 11

FAS 893 (F Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.820	South		W1-2 (30")R
0.920	North	1	Replace R2-1 (24")(35 MPH) & "ENDS" panel w/R2-3a (24")
0.920	South		R2-1 (24")(35 MPH)
⊙ F Dr. S. (Ext.) 0.960			
@ F Dr. S. (Ext.)	South	2	Replace R1-2-36 w/R1-2 (36")
@ F Dr. S. (Ext.) @ 22 MI. Rd.	North	2	Replace R1-2-36 w/R1-2 (36")
@ 22 MI. Rd.	South	1	Replace R1-2-36 w/R1-1 (24")
@ 22 MI. Rd.	North	3	Replace (?) G3-11 w/(?) D3-1
⊙ 22 MI. Rd. 1.019			
	FAS 893 (22 Mile Rd.)		
⊙ F Dr. S. 0.000			Blacktop-White Skip-No Pass Yellow
@ F Dr. S.	East		W1-7 (48")
0.038	East	1	Erect R2-3a (24")
0.050	East		Type III O.M. (12"x36")L
0.050	West		Type III O.M. (12"x36")R
0.059	East		Type III O.M. (12"x36")R
0.059	West		Type III O.M. (12"x36")L
0.148	West		W2-2 (30")R
0.190	West	1	Replace R2-1 (24")(35 MPH) & R2-4-24 w/R2-5c (24") & relocate 495' N.
0.284	West	1	Relocated R2-5c (24")
0.374	East		W2-2 (30")R
@ E Dr. S.	West	3	Replace (?) G3-11 ?/(?) D3-1
⊙ E Dr. S. 0.520			
	FAS 893 (E Drive S.)		
⊙ 22 MI. Rd. 0.000			Blacktop-White Skip-No Pass Yellow
@ 22 MI. Rd.	North		R1-1 (30")

WORK SHEET

FAS 893 (E Drive S.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.072	South		W1-2 (30"R)
0.137	North	1	Replace W3-1 (30") w/W3-1 (36")
0.235	North		W1-2 (30" L)
0.948	South		W2-2 (30" L)
@ 23 Mi. Rd.	South		W1-7 (48")
@ 23 Mi. Rd.	North	1	Replace R1-1 (30")
@ 23 Mi. Rd.			
@ 23 Mi. Rd.			
@ 23 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.021	South		W1-2 (30"R)
0.124	South		W2-2 (30"R)
0.126	North	1	Remove W2-2 (30"R)
0.174	South	1	Replace W1-2 (30" L) w/W1-1 (30" L) & Erect W13-1 (18") (30 MPH)
0.278	North		W1-2 (30" L)
	FAS 893 (F Drive S.)		
@ 23 1/2 Mi. Rd.			
@ 23 1/2 Mi. Rd.	South		R1-1 (24")
@ 23 1/2 Mi. Rd.	South		W3-1 (30")
@ 23 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.426	North	1	Remove W2-2 (30" L)
0.445	North	1	Replace W1-2 (30" R) w/W1-1 (30" R) & Erect W13-1 (18") (30 MPH)
0.855	South		W1-4 (30" R)
1.209	North		W1-4 (30" R)
1.732	South		Type III O.M. (12"x36") L
1.741	North		Type III O.M. (12"x36") R
1.741	South		Type III O.M. (12"x36") R

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WORK SHEET

Sheet 13 of 1

FAS 893 (F Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.749	North		Type III O.M. (12"x36")L
2.216	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 25 1/2 Mi. Rd.	South		R1-1 (30")
@ 25 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
€ 25 1/2 Mi. Rd. 2.363			
€ 25 1/2 Mi. Rd. 0.000			Begin Yellow Skip
@ 25 1/2 Mi. Rd.	North		R1-1 (30")
0.146	North	1	Replace W3-1 (30") w/W3-1 (36")
0.238			Begin White Skip
0.610	South		W2-1 (30")
@ Condit Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
€ Condit Rd. 0.762			
€ Condit Rd. 0.000			
0.147	North		W2-1 (30")
@ M-99	South	3	Replace (2) G3-11 w/(2) D3-1
€ M-99 1.789			
€ M-99 0.000			
0.868	South		W2-1 (30")
@ 29 Mi. Rd.	North	1	Remove W3-1 (30")
@ 29 Mi. Rd.	North		R1-1 (30")
@ 29 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
€ 29 Mi. Rd. 1.019			
€ 29 Mi. Rd. 0.000			
@ 29 Mi. Rd.	South	1	Replace R1-1 (30")
@ 29 Mi. Rd.	South		W3-1 (30")
0.149	North	1	Remove W2-1 (30")

County CalhounSheet 1 of 2Route FAS 893 (K Drive S.)Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	9	1		4	5
R1-1 (30")	21	2		5	7
R1-1 (36")	4				
R1-2 (36")	6		5	1	6
R2-1 (24") (35 MPH)	5	1			1
R2-3a (24")	4			4	4
R2-5c (24")	4			4	4
R4-1 (24")	2				
R4-2 (24")	2	1			1
R7-1 (12")	3				
"NO DUMPING" (24")	1	1			1
W1-1 (30")R	5			1	1
W1-1 (30")L	5			1	1
W1-2 (30")R	6				
W1-2 (30")L	5	1			1
W1-4 (30")R	2				
W1-4 (30")L	2				
W1-7 (48")	6				
W2-1 (30")	7				
W2-2 (30")R	13	3			3
W2-2 (30")L	11	1			1
W2-3 (36")R	1		1		1
W3-1 (30")	8	2		3	5

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WORK SHEET

Sheet 1 of 1

FAS 894 (B Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 29 Mi. Rd. (E. Albion Limits)	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 29 Mi. Rd. (E. Albion Limits) 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 29 Mi. Rd. (E. Albion Limits)	South		R1-1 (24")
@ 29 Mi. Rd. (E. Albion Limits)	South		W3-1 (30")
0.020	South		R2-1 (24")(45 MPH)
0.036	South		W1-2 (30")R
0.061	North	1	Remove "SLOW CHURCH-ZONE" sign
0.085	North	1	Replace W2-2 (24")L w/W2-2 (30")L
0.245	North		W1-2 (30")L
0.413	South	1	Remove W2-2 (30")L
0.473	South		W1-2 (30")L
0.530	North		R2-1 (24")(45 MPH)
0.538	South	1	Replace R2-1 (24")(45 MPH) & "ENDS" panel w/R2-3a (24") & relocate 100' E.
⊕ 29 1/2 Mi. Rd. 0.553			
@ 29 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.557	South	1	Relocated R2-3a (24")
0.605	South		W1-6 (48")
0.712	North		W2-2 (30")R
0.742	North	1	Relocated R2-5c (24")
0.779	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.843	North	1	Replace R2-1 (24")(45 MPH) & R2-4 (24") w/ R2-5c (24") & relocate 530' W.
0.928	South	1	Remove W2-2 (30")R
1.060	North	3	Erect I2-2
@ 30 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 30 Mi. Rd. 1.075			
@ 30 Mi. Rd.	South		R1-1 (30")

WORK SHEET

FAS 895 (Jackson Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ W. Tekonsha Limits 0.000		Blacktop - White Sklp - No Pass Yellow
0.000	South	1 Relocated R2-1 (24")(25 MPH)
0.084	South	1 Relocate R2-1 (24")(25 MPH) 440' E.
0.140	South	R4-2 (24")
@ I-69 0.164		
0.197	North	1 Remove R4-2 (24")
0.284	South	1 Relocated R2-5c(24")
0.341	South	1 Replace R2-1 (24")(25 MPH) & R2-4-24 w/ R2-5c (24") & relocate 300' E.
0.342	North	1 W1-2 (30")R
0.367	South	R4-1 (24")
0.410	North	1 Remove "SLOW" sign
0.441	North	1 Replace W2-2 (30")R
@ 15 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 15 Mi. Rd. 0.598		
@ 15 Mi. Rd.	North	1 Replace R1-1 (24")
@ 15 Mi. Rd.	North	1 Remove W2-4 (30")
0.644	South	1 Remove "SLOW" sign
0.697	South	W2-2 (30")L
0.751	South	W1-2 (30")L
1.272	North	W2-2 (30")L
@ 14 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 14 Mi. Rd.	South	R1-1 (24")
@ 14 Mi. Rd.	South	1 Remove W2-4 (30")
@ 14 Mi. Rd. 1.421		
@ 14 Mi. Rd. 0.000		
0.057	North	1 Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)

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WORK SHEET

Sheet 2 of

FAS 895 (Jackson Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.142	North		W10-1 (36")
0.148	South		W2-2 (30")R
0.195	North	1	Replace W10-2 w/R15-1 & "1 TRACK" w/R15-2
0.210	South	1	Replace W10-2 w/R15-1 & "1 TRACK" w/R15-2
0.263	South	1	Raise W10-1 (36") to 5' B.H.
0.339	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.347	South	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
0.629	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.718	North		W1-2 (30")L
@ 13 1/2 MI. Rd.	North	3	Erect (2) G3-11 w/(2) D3-1
⊕ 13 1/2 MI. Rd. 0.907			
@ 13 1/2 MI. Rd.	North	2	Replace R1-2-36 w/R1-2 (36")
0.970	South		W1-2 (30")R
@ M-60	North	3	Erect (2) D3-1
⊕ M-60 0.990			
	FAS 895 (Aldrich Dr.)		
⊕ M-60 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ 13 1/2 MI. Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
@ 13 1/2 MI. Rd.	West	2	Replace R1-2-30 w/R1-2 (36")
@ 13 1/2 MI. Rd.	West		W3-2 (30")
⊕ 13 1/2 MI. Rd. 0.044			
0.044	West	1	Erect W1-6 (48")
0.202	North	1	Erect W13-1 (18")(10 MPH) on W1-1 (30")L
0.928	South		W1-2 (30")L
0.992	South		W2-2 (30")R
⊕ R Dr. S. & 14 MI. Rd. 1.134			

WORK SHEET

FAS 895 (Aldrich Dr.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ R Dr. S. & 14 Mi. Rd.	East	1	Erect RI-1 (24")
@ R Dr. S. & 14 Mi. Rd.	East	1	Remove W2-4 (30")
@ R Dr. S. & 14 Mi. Rd.	West	3	Replace (3) G3-11 w/(3) D3-1
@ R Dr. S. (Ext.)	East	1	Erect RI-1 (24") facing southeast
☉ 14 Mi. Rd. 1.156			
	FAS 895 (14 Mile Rd.)		
☉ Aldrich Dr. 0.000			Blacktop-Yellow Skip-No Pass Yellow
	0.019 East		W1-2 (30")L
	0.089 West		W2-2 (30")L
	0.134 West		W1-2 (30")R
	0.390 West		W1-2 (30")R
	0.418 East	1	Remove W2-2 (30")R
☉ Moore Rd. 0.564			
@ Moore Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
@ Moore Rd.	East	1	Replace RI-2-36 w/RI-1 (24")
@ Moore Rd.	East	1	Remove W2-4 (30")
	0.710 West		W2-2 (30")L
	0.810 East	1	Remove W2-1 (30")
@ P Dr. S.	West	2	Replace RI-2-36 w/RI-2 (36")
@ P Dr. S.	West	1	Remove W2-1 (30")
☉ P Dr. S. 1.019			
☉ P Dr. S. 0.000			
@ P Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ P Dr. S.	East	1	Replace RI-2-36 w/RI-1 (24")
@ P Dr. S.	East	1	Replace W2-1 (30") w/W3-1 (30")
	0.142 West	1	Remove W2-1 (30")

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WORK SHEET

Sheet 4 of

FAS 895 (14 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.877	East		W2-2 (30")L
@ N Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ N Dr. S.	West	1	Replace RI-2-36 w/RI-1 (24")
@ N Dr. S.	West	1	Erect W3-1 (30")
☉ N Dr. S.	1.021		
☉ N Dr. S.	0.000		
0.148	West		W2-2 (30")R
0.814	East	1	Replace W2-4 (30") w/W3-1 (36")
@ L Dr. S.	East	1	Replace RI-2-36 w/RI-1 (30")
@ L Dr. S.	East	1	W1-7 (48")
☉ L Dr. S.	0.960		
	FAS 895 (13 Mile Rd.)		
☉ L Dr. S.	0.000		Blacktop-White Skip-No Pass Yellow
0.076	West	1	Relocated W1-5 (30")R & W13-1 (18") (25 MPH)
0.095	West	1	Erect W13-1 (18")(25 MPH) on W1-5 (30")R & Relocate 100' S.
0.095	West	2	Replace RI-2-36 w/RI-2 (36")
0.242	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
@ K Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ K Dr. S.	West		RI-1 (30")
@ K Dr. S.	West		W3-1 (30")
☉ K Dr. S.	0.286		
0.431	West		W2-2 (30")R
0.507			Begin Yellow Skip
1.753	East	2	Replace W9-1-30 w/SI-1 (36")
1.917	East	1	Replace W3-1 (30") w/W3-1 (36")
2.006	West	2	Replace W9-1-30 w/SI-1 (36")

WORK SHEET

Sheet 5 of 7

FAS 895 (13 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ H Dr. S.	East		RI-1 (30")
☉ H Dr. S. 2.055			
☉ H Dr. S. 0.000			
@ H Dr. S.	West		RI-1 (30")
0.034	East	1	Replace WI-4 (30")R w/WI-2 (30")R
0.144	West	1	Replace W3-1 (30") w/W3-1 (36")
0.152	West	1	Erect WI-2 (30")L
0.152	East	1	Erect WI-2 (30")L & W13-1 (18")(35 MPH)
0.396	East	1	Remove W2-2 (30")L
0.409	West	1	Replace WI-4 (30")R w/WI-2 (30")R & Erect W13-1 (18")(35 MPH)
0.451	East		Type III O.M. (24"x48")L
0.451	West		Type III O.M. (24"x48")R
0.463	East		Type III O.M. (24"x48")R
0.463	West		Type III O.M. (24"x48")L
@ G Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ G Dr. S.	West	1	Replace RI-2-36 w/RI-1 (24")
☉ G Dr. S. 0.541			
0.688	West		W2-2 (30")R
1.159	East		W2-4 (30")
@ F Dr. S.	West	2	Replace RI-2-36 w/RI-2 (36")
@ F Dr. S.	West	1	Remove W2-2 (30")R
☉ F Dr. S. 1.304			
	FAS 895 (F Drive S.)		
☉ 13 Mi. Rd. 0.000			Blacktop-White Skip-No Pass Yellow
@ 13 Mi. Rd.	South	3	Replace (1) G3-11 "13 MILE RD." w/(1) D3-1
@ 13 Mi. Rd.	North	1	Replace WI-7 (48")

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WORK SHEET

Sheet 6 of 7

FAS 895 (13 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.142	South	1	Erect W13-1 (18")(25 MPH) w/W1-1 (30")
0.146	North	1	Replace W2-2 (30")L
0.284	South	1	Erect W1-6 (48") facing west
@ 13 1/2 Mi. Rd. (Ext.)	East	3	Replace (2) G3-11 w/(2) D3-1
@ 13 1/2 Mi. Rd. 0.338	Southeast	1	Erect W1-6 (48") facing north
⊕ 13 1/2 Mi. Rd. 0.341			
	FAS 895 (13 1/2 Mile Rd.)		
⊕ F Dr. S. 0.000			Blacktop-White Skip-No Pass Yellow
0.082	East	1	Remove W2-2 (30")R
0.156	West	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")
⊕ E Dr. S. 0.223			
@ E Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ E Dr. S.	East	2	Replace R1-2-36 w/R1-2 (36")
@ E Dr. S.	East	1	Replace W2-4 (30")
0.377	West	1	Remove W2-2 (30")L
0.821	East		W2-2 (30")R
@ C Dr. S. (Ext.)	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ C Dr. S. (Ext.) 0.964			
@ C Dr. S. (Ext.)	East		R1-1 (30")
@ C Dr. S. (Ext.)	East	1	Remove W3-1 (30")
1.014	East	1	Replace W3-1 (30") w/W3-1 (36")
1.091	West		W2-2 (30")L
@ C Dr. S.	East		R1-1 (24")
⊕ C Dr. S. 1.125			
⊕ C Dr. S. 0.000			
@ C Dr. S.	West	1	Replace R1-1 (24")

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STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County CalhounSheet 1 of 2Route FAS 895 (Jackson Rd.)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	10	2		6	8
RI-1 (30")	8			3	3
RI-2 (36")	6		6		6
R2-1 (24") (25 MPH)	1				
R2-5c (24")	1			1	1
R4-1 (24")	1				
R4-2 (24")	1				
RI5-1	2			2	2
RI5-2	2			2	2
WI-1 (30")R	2			1	1
WI-1 (30")L	3			1	1
WI-2 (30")R	8			2	2
WI-2 (30")L	7			2	2
WI-5 (30")R	1				
WI-6 (48")	3			3	3
WI-7 (48")	4	1		1	2
W2-2 (30")R	7	1			1
W2-2 (30")L	9	1			1
W2-4 (30")	2	1			1
W3-1 (30")	3			2	2
W3-1 (36")	8			8	8
W3-2 (30")	1				
W10-1 (36")	2				

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WORK SHEET

Sheet 1 of 1

FAS 897 (Kalamazoo County Line Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ C Ave. E. 0.000		Blacktop - White Skip - No Pass Yellow
0.133	East	W2-2 (30"R)
0.145	West	W2-2 (30"R)
⊕ U Dr. N. 0.273		
	FAS 897 (U Drive N.) (Meachem Rd.)	
@ W. Co. Line Rd.	West	W1-7 (48")
@ W. Co. Line Rd.	West	3 Replace G2-2
⊕ W. Co. Line Rd. 0.000		Blacktop - White Skip - No Pass Yellow
@ W. Co. Line Rd.	North	RI-1 (24")
@ W. Co. Line Rd.	North	(?) D3-1
0.148	North	W3-1 (30")
0.850	South	1 Replace W3-1 (30") w/W3-1 (36")
@ 1 Mi. Rd. (N. Uldriks Dr.)	South	RI-1 (30")
@ 1 Mi. Rd. (N. Uldriks Dr.)	North	1 Remove (2) D3-1
@ 1 Mi. Rd. (N. Uldriks Dr.)	North	(1) D3-1 "MEACHEM RD."
@ 1 Mi. Rd. (N. Uldriks Dr.)	North	3 Replace (1) D3-1 "N. ULDRIKS DR."
⊕ 1 Mi. Rd. (N. Uldriks Dr.) 0.992		
⊕ 1 Mi. Rd. (N. Uldriks Dr.) 0.000		
@ 1 Mi. Rd. (N. Uldriks Dr.)	North	RI-1 (24")
0.137	North	Type III O.M. (24"x48")R
0.137	South	Type III O.M. (24"x48")L
0.140	North	Type III O.M. (24"x48")L
0.140	South	Type III O.M. (24"x48")R
0.144	North	W3-1 (30")
0.865	South	W2-1 (30")
0.889	South	1 Relocate R2-5c (24") 1,625' E.

MSU - KFL LOGG
BIOL. STATION

← GULL LAKE
← FINE LAKE

WORK SHEET

FAS 897 (U. Drive N.) (Meachem Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
1.001	North	1 Remove "SPEED ZONE ENDS"
@ 2 Mi. Rd. (Collier Ave.)	North	(2) D3-1
@ 2 Mi. Rd. (Collier Ave.)	North	R1-1 (24")
@ 2 Mi. Rd. (Collier Ave.)	North	W3-1 (30")
@ 2 Mi. Rd. (Collier Ave.)		
@ 2 Mi. Rd. (Collier Ave.)		
1.013		
@ 2 Mi. Rd. (Collier Ave.)		
0.000		
@ 2 Mi. Rd. (Collier Ave.)	South	R1-1 (30")
@ 2 Mi. Rd. (Collier Ave.)	South	1 Replace W3-1 (30") w/W3-1 (36")
0.027	South	1 Relocate R2-1 (24")(45 MPH) 1,825' E.
0.078	North	W2-1 (30")
0.184	South	1 Relocated R2-5c (24")
0.246	South	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.360	South	1 Erect W1-6 (48") facing west
0.373	South	1 Relocated R2-1 (24")(45 MPH)
0.373	North	1 Erect R2-3a (24")
0.498	North	1 Erect W13-1 (18")(35 MPH) on W1-2(30")R
0.515	South	1 Relocate R2-1 (24")(45 MPH) 1,840' E.
0.593	North	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.605	South	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.738	North	1 Erect W1-6 (48") facing east
0.783	North	1 Replace R2-1 (24")(45 MPH) & Reloc. 475' E.
0.873	South	1 Relocated R2-1 (24") (45 MPH)
0.873	North	1 Relocated R2-1 (24") (45 MPH)
0.902	North	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
1.305	North	1 Remove "AHEAD" panel from R2-1 (24") (45 MPH) & relocate 210' E.
1.345	North	1 Relocated R2-1 (24")(45 MPH)

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WORK SHEET

Sheet 3 of

FAS 897 (U Drive N.) (Meachem Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ M-37 (Bedford Dr.)	North		(2) D3-1
⊕ M-37 (Bedford Dr.) 1.373			
	FAS 897 (U Drive N.)	Edmonds Rd.)	
⊕ M-37 (Bedford Dr.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 3 1/2 Mi. Rd.	North		(1) D3-1 "EDMONDS RD."
@ 3 1/2 Mi. Rd.	North	3	Erect (1) D3-1 "3 1/2 MILE RD."
@ 3 1/2 Mi. Rd.	North		R1-1 (24")
0.080	South		R2-1 (24")(45 MPH)
0.223	South	1	Remove R2-1 (24")(45 MPH)
0.223	North	1	Relocate R2-1 (24")(45 MPH) 1,465' E.
0.500	South	1	Erect R2-3a (24")
0.500	North	1	Relocated R2-1 (24")(45 MPH)
0.689	North	1	Erect R2-5c (24")
0.900	South	1	Remove R2-1 (24")(45 MPH)
0.900	North	1	Remove R2-1 (24")(45 MPH)
0.953	South	1	Replace W3-2 (30") w/W3-1 (36")
1.091	North	1	Remove R2-1 (24")(45 MPH) & "AHEAD" panel
@ 4 1/2 Mi. Rd.	South	1	Replace R1-2-36 w/R1-1 (30")
@ 4 1/2 Mi. Rd.	South		(1) D3-1 "EDMONDS RD."
@ 4 1/2 Mi. Rd.	South	3	Erect (1) D3-1 "4 1/2 MILE RD."
@ 4 1/2 Mi. Rd.	South	3	Replace (2) G2-2 MSU - KELLOGG BIOL. STATION w/(2) D1-2
⊕ 4 1/2 Mi. Rd. 1.115			
	FAS 897 (4 1/2 Mile Rd.)		
⊕ U Dr. N. (Edmonds Rd.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.057	East		R2-1 (24")(45 MPH)
0.076	West		W2-2 (30")R

WORK SHEET

Sheet 4 of 7

FAS 897 (4 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.174	East		W2-2 (30")R
0.204	West	1	Raise R2-1 (24")(45 MPH) to 5' B.H.
@ U Dr. N. (Crandall Rd.) 0.254			
@ U Dr. N. (Crandall Rd.)	West		W1-7 (48")
@ U Dr. N. (Crandall Rd.)	West	3	Replace G2-2 MSU - KELLOGG BIOL. STATION w/DI-2
			DI-2 BEDFORD VALLEY COUNTRY CLUB →
	FAS 897 (U Drive N.) (Crandall Rd.)		
@ 4 1/2 Mi. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 4 1/2 Mi. Rd.	North		(1) D3-1 "CRANDALL RD."
@ 4 1/2 Mi. Rd.	North	3	Erect (1) D3-1 "4 1/2 MILE RD."
@ 4 1/2 Mi. Rd.	North		R1-1 (30")
0.037	South		R2-1 (24") (45 MPH)
0.144	North	1	Replace W3-1 (30") w/W3-1 (36")
0.400	North	1	Relocate R2-1 (24")(45 MPH) 525' E.
0.500	South	1	Erect R2-1 (24")(45 MPH)
0.500	North	1	Relocated R2-1 (24")(45 MPH)
0.937	North	1	Relocate R2-1 (24")(45 MPH) 330' E.
1.000	South	1	Relocated R2-1 (24")(45 MPH)
1.000	North	1	Relocated R2-1 (24")(45 MPH)
1.138	South	1	Relocate R2-1 (24")(45 MPH) 725' W.
1.418	South	1	Replace W3-1 (30") w/W3-1 (36")
1.502	North		R2-1 (24")(45 MPH)
@ 6 Mi. Rd. (North Ave.)	North		(2) D3-1
@ 6 Mi. Rd. (North Ave.)	South		R1-1 (30")
@ 6 Mi. Rd. (North Ave.) 1.534			

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WORK SHEET

Sheet 5 of

FAS 897 (6 Mile Rd.) (North Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ U Dr. N. (Crandall Rd.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ U Dr. N. (Crandall Rd.)	East		W1-7 (48")
@ U Dr. N. (Crandall Rd.)	East	3	Replace G2-2 MSU - KELLOGG BIOL. STATION w/DI-2
	East	3	Replace G2-2 BEDFORD VALLEY COUNTRY CLUB w/DI-2
0.163	East		W2-2 (30")L
0.170	West	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18") (30 MPH)
0.335	West		W1-6 (48") facing north
0.339	West		W1-6 (48") facing southeast
0.440	West	1	Replace W1-4 (30")L w/W1-2 (30")L & Erect W13-1 (18") (40 MPH)
0.503	East	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18") (30 MPH)
0.553	West	1	Relocated W2-3 (30")R
0.604	West		W1-6 (48")
0.610	West	1	Replace W2-2 (30")R w/W2-3 (30")R & relocate 300' NW.
0.617	South		W1-6 (48")
⊕ 6 1/2 MI. Rd. (Ext.) 0.667			
⊕ 6 1/2 MI. Rd. 0.714			
	FAS 897 (T Drive N.) (White Rabbit Rd.)		
⊕ 6 1/2 MI. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 6 1/2 MI. Rd.	South	3	Erect (?) D3-1
@ 6 1/2 MI. Rd.	North		W1-7 (48")
@ 6 1/2 MI. Rd. (Ext.) 0.038	South	2	Replace RI-2-36 w/RI-2 (36")
⊕ 6 1/2 MI. Rd. (Ext.) 0.042			
0.047	North	1	Erect W1-2 (30")R & W13-1 (18") (40 MPH)
0.148	North	1	Replace W2-2 (30")L w/W2-3 (30")L
0.555	South		W2-1 (30")
@ 7 MI. Rd. (E Ave. N.)	North		RI-1 (24")

WORK SHEET

FAS 897 (T Drive N.) (White Rabbit Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ 7 Mi. Rd. (E. Ave. N.)	North	1 Replace W2-1 (30") w/W3-1 (30")
@ 7 Mi. Rd. (E. Ave. N.) 0.699		
@ 7 Mi. Rd. (E. Ave. N.)	North	3 Replace (2) G3-11 w/(2) D3-1
@ 7 Mi. Rd. (E. Ave. N.)	South	RI-1 (24")
@ 7 Mi. Rd. (E. Ave. N.)	South	W3-1 (30")
0.845	North	1 Remove W2-1 (30")
1.058	South	W2-2 (30")R
@ 7 1/2 Mi. Rd. (Swafford Rd.) 1.208		
@ 7 1/2 Mi. Rd. (Swafford Rd.) 0.000		
@ 7 1/2 Mi. Rd. (Swafford Rd.)	North	1 Erect WI-7 (48")
@ 7 1/2 Mi. Rd. (Swafford Rd.)	South	3 Replace (2) G3-11 w/(2) D3-1
@ 7 1/2 Mi. Rd. (Swafford Rd.)	South	RI-1 (24")
@ 7 1/2 Mi. Rd. (Swafford Rd.)	South	W3-1 (30")
0.133	North	W2-2 (30")L
0.250	South	1 Erect WI3-1 (18")(35 MPH) on WI-4 (30")L
0.477	South	1 Erect WI-6 (48") facing west
@ 8 Mi. Rd. (Struwin Rd.)	North	2 Replace RI-2-36 w/RI-2 (36")
@ 8 Mi. Rd. (Struwin Rd.)	North	1 Replace W3-2 (30") w/W3-2 (36")
@ 8 Mi. Rd. (Struwin Rd.) 0.520		
@ 8 Mi. Rd. (Struwin Rd.)	North	3 Replace (2) G3-11 w/(2) D3-1
0.558	North	1 Erect RI-2 (36") facing west
@ 8 Mi. Rd. (Ext.) 0.564		
0.581	South	1 Erect WI3-1 (18")(35 MPH) on WI-2 (30")R
0.669	North	1 Remove W2-2 (30")R
0.707	North	1 Erect WI3-1 (18")(35 MPH) on WI-4 (30")L
0.916	North	1 Replace WI-2 (24")L w/WI-2 (30")L & Erect WI3-1 (18")(35 MPH)

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 897 (Kalamazoo County Line Rd.)

Direction of Route west to east

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	7				
R1-1 (30")	5			1	1
R1-2 (36")	3		2	1	3
R2-1 (24") (45 MPH)	14	1		1	2
R2-3a (24")	2			2	2
R2-5c (24")	2			1	1
W1-1 (30") R	1			1	1
W1-1 (30") L	1			1	1
W1-2 (30") R	5			1	1
W1-2 (30") L	4			2	2
W1-4 (30") L	2				
W1-6 (48")	7			3	3
W1-7 (48")	5			1	1
W2-1 (30")	3				
W2-2 (30") R	5				
W2-2 (30") L	2				
W2-3 (30") R	1			1	1
W2-3 (30") L	1			1	1
W3-1 (30")	6			1	1
W3-1 (36")	5			5	5
W3-2 (36")	1			1	1
W13-1 (18") (30 MPH)	2			2	2
W13-1 (18") (35 MPH)	9			9	9

WORK SHEET

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Sheet 1 of 3

FAS 898 (1 Mile Rd.)(Uldriks Dr.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☐ River Rd. 0.000		Blacktop
@ River Rd.	West	1 Relocate RI-2 (36") 25' S.
0.011	East	WI-1 (36")
0.019	East	RI5-1 (w/Flashers & Gates)
0.019	East	1 Replace "2 TRACKS" w/RI5-2
0.031	West	RI5-1 (w/Flashers & Gates)
0.031	West	1 Replace "2 TRACKS" w/RI5-2
0.036	East	WI-5 (30")R
0.092	West	1 Relocated WI0-1 (36")
0.101	West	1 Relocate WI0-1 (36") 50' S.
0.652	West	WI-5 (30")R
☐ M-89 0.887		
@ M-89	North	3 Replace (2) D3-1
☐ M-89 0.000		Blacktop - White Sklp - No Pass Yellow
@ M-89	West	(2) D3-1
0.030	East	R2-1 (24")(45 MPH)
☐ Markham Ave. 0.141		
@ Markham Ave.	East	1 Erect RI-1 (24")
@ Markham Ave.	East	3 Erect (1) D3-1 "ULDRIKS DR."
@ Markham Ave.	East	(1) D3-1 "MARKHAM AVE."
@ Cardinal Ave.	West	1 Erect RI-1 (24")
☐ Cardinal Ave. 0.354		
@ Cardinal Ave.	West	3 Erect (1) D3-1 "ULDRIKS DR."
@ Cardinal Ave.	West	(1) D3-1 "CARDINAL AVE."
0.485	East	WI-5 (30")L
0.580	East	1 Erect WI-6 (48") facing south

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WORK SHEET

Sheet 2 of

FAS 898 (1 Mile Rd.) (Uldriks Dr.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.608	East		R2-1 (24") (45 MPH)
0.660	West		R2-1 (24") (45 MPH)
0.872	East	1	Erect W1-6 (48") facing north
0.958	West		W1-5 (30")R
1.115	East	1	Remove W2-1 (30")
1.161	West		R2-1 (24") (45 MPH)
@ R Dr. N.	West		R1-1 (30")
@ R Dr. N.	West	1	Replace W2-1 (30") w/W3-1 (36")
⊕ R Dr. N.	1.190		
⊕ R Dr. N.	0.000		
@ R Dr. N.	East		R1-1 (30")
@ R Dr. N.	East	1	Replace W3-1 (30") w/W3-1 (36")
@ R Dr. N.	West		(2) D3-1
0.016	East	2	Replace "SPEED ZONE ENDS" w/R2-3a (24")
0.074	West	1	Relocate R2-5c (24") 605' N.
0.152	West		W2-1 (30")
0.189	West	1	Relocated R2-5c (24")
0.670	East	1	Remove "DANGER" & "SLOW" Signs
0.834	West	1	Remove "SLOW" Sign
1.020	East	1	Replace Type III O.M. (24"x48")L
1.020	West	1	Replace Type III O.M. (24"x48")R
1.024	East	1	Replace Type III O.M. (24"x48")R
1.024	West	1	Replace Type III O.M. (24"x48")L
1.138	East	1	Remove W2-1 (30")
⊕ U Dr. N. (Meachem Rd.)	1.282		
⊕ U Dr. N. (Meachem Rd.)	0.000		Begin Yellow Skip

WORK SHEET

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Sheet 3 of 3

FAS 898 (1 Mile Rd.) (Uldricks Dr.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.110	West	1	Remove "BAD CORNER" sign
0.144	East		W2-1 (30")
0.144	West		W2-1 (30")
0.618	East	1	Remove W2-1 (30")
@ V Dr. N.	West		R1-1 (30")
@ V Dr. N.	West	1	Replace W3-1 (30") w/W3-1 (36")
@ V Dr. N. 0.770			
@ V Dr. N. 0.000			
@ V Dr. N.	East		R1-1 (30")
@ V Dr. N.	East	1	Replace W3-1 (30") w/W3-1 (36")
@ V Dr. N.	West	3	Replace (2) D3-1
0.144	West	1	Remove W2-1 (30")
0.442	East	1	Erect W13-1 (18")(35 MPH) on W1-5 (30")R
0.612	West	1	Erect W1-6 (48") facing south
0.710	West	1	Remove W1-2 (24")L
0.964	East	1	Erect W1-6 (48") facing north
1.015	West	1	Erect W13-1 (18")(35 MPH) on W1-5 (30")R
1.020	West	3	Erect I2-2
@ Barry Co. Line Rd.	West		R1-1 (30")
@ Barry Co. Line Rd.	West		W3-1 (30")
@ Barry Co. Line Rd.	West		(2) D3-1
@ Barry Co. Line Rd. 1.028			
@ Barry Co. Line Rd.	East		R1-1 (30")
@ Barry Co. Line Rd.	East		W3-1 (30")

County CalhounSheet 1 of 1Route FAS 898 (1 Mile Rd.) (Udriks Rd.)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	2			2	2
R1-1 (30")	6				
R1-2 (36")	1				
R2-1 (24") (45 MPH)	4				
R2-3a (24")	1		1		1
R2-5c (24")	1				
R15-1 (w/Flashers & Gates)	2				
R15-2	2			2	2
W1-5 (30")R	5				
W1-5 (30")L	1				
W1-6 (48")	4			4	4
W2-1 (30")	3				
W3-1 (30")	2				
W3-1 (36")	4			4	4
W10-1 (36")	2				
W13-1 (18") (35 MPH)	2			2	2
Type III O.M. (24"x48")R	2	2			2
Type III O.M. (24"x48")L	2	2			2
D3-1	14			6	6
I2-2	1			1	1
TOTAL	61	4	1	21	26

WORK SHEET

MICHIGAN DEPARTMENT OF STATE
HIGHWAYS

LANSING, MICH.

Sheet 1 of 5

FAS 899 (S. 20th St.)

P. O. DRAWER "K" 48904

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ Columbia Ave. 0.000			Concrete
0.030	East	1	Erect R2-1 (24") (35 MPH)
⊕ Lakeview Ave. 0.045			
@ Lakeview Ave.	East		(2) D3-1
@ Lakeview Ave.	East		R1-1 (24")
⊕ Surby Ave. 0.152			
@ Surby Ave.	East		(2) D3-1
@ Surby Ave.	East		R1-1 (24")
⊕ Iroquois Ave. 0.152			
@ Iroquois Ave.	East		(2) D3-1
@ Iroquois Ave.	East		R1-1 (24")
0.320	East		"NO MOTORBIKES OR ATV'S" (24")
0.398	West	2	Replace R2-1 (18") (35 MPH) w/R2-1 (24") (35MPH)
0.433	West		(2) R7-1 (12") back to back
0.453	West	1	Relocated R2-1 (24") (35 MPH) erected on R7-1 (12")
⊕ W. Territorial Rd. 0.500			
	FAS 899 (N. 20th St.)		
0.522	East	1	Erect R2-1 (24") (35 MPH)
@ W. Highland Blvd.	West		R1-1 (30")
@ W. Highland Blvd.	East		(1) D3-1 "N 20th ST."
⊕ W. Highland Blvd. 0.758			
@ W. Highland Blvd.	West		(2) D3-1
@ W. Highland Blvd.	East		R1-1 (24")
0.794	West		R2-1 (24") (35 MPH)
⊕ Ward St. 0.817			
@ Ward St.	East	1	Replace R1-1 (24")

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Sheet 7 of 7

FAS 899 (N. 20th St.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Ward St.	East		(2) D3-1
0.922	East	1	Erect R2-1 (24") (35 MPH)
@ Ingram St.	East		(2) D3-1
Ⓞ Ingram St. 0.956			
@ Ingram	East	1	Replace R1-1 (24")
0.950	West	1	Erect R2-1 (24") (35 MPH)
0.960	West	1	Remove W4-2-36
Ⓞ W. Goguac St. 1.016			
	FAS 899 (4 1/2 Mile Rd.) (Waubascon Rd.)		
@ Limit St. (N. Battle Creek Limits)	East		R1-1 (24")
@ Limit St. (N. Battle Creek Limits	West		(2) D3-1
Ⓞ Limit St. (N. Battle Creek Limits) 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ Limit St. (N. Battle Creek Limits)	West	1	Replace W14-1 (24") w/W1-7 (48")
0.063	East	1	Remove "SPEED RADAR TIMED" sign
0.400	East	1	Relocated W3-1 (36")
0.442	East	1	Replace W2-1 (24") w/W3-1 (36") & Reloc. 250' S.
0.455	West	1	Replace R2-1 (24") (35 MPH) & Reloc. to City L.
@ O Dr. N. (Morgan Rd.)	East	2	Replace R1-3 (12") w/R1-3 (30") on R1-1 (36")
Ⓞ O Dr. N. (Morgan Rd.) 0.501			
@ O Dr. N. (Morgan Rd.)	West	2	Replace R1-3 (12") w/R1-3 (30") on R1-1 (36")
0.547	East		R2-1 (24") (45 MPH)
0.581	West	1	Replace W3-1 (30") w/W3-1 (36")
@ Brown Dr.	West	1	Erect R1-1 (24")
Ⓞ Brown Dr. 0.630			
@ Brown Dr.	West	3	Replace (2) D3-1
0.930	East	1	Remove W2-2 (30") R

WORK SHEET

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Sheet 3 of 5

FAS 899 (4 1/2 Mile Rd.) (Waubascon Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.934	West	R2-1 (24") (45 MPH)
Q P Dr. N. (Yawger Rd.)	1.014	
Q P Dr. N. (Yawger Rd.)	0.000	
@ P Dr. N. (Yawger Rd.)	West	1 Erect W1-7 (48")
@ P Dr. N. (Yawger Rd.)	East	(1) D3-1 "WAUBASCON RD."
@ P Dr. N. (Yawger Rd.)	East	3 Replace (1) D3-1 "YAWGER RD."
@ P Dr. N. (Yawger Rd.)	East	1 Replace R1-1 (30")
@ P Dr. N. (Yawger Rd.)	East	1 Erect W3-1 (36")
0.037	East	R2-1 (24") (35 MPH)
0.073	East	W2-2 (30")L
0.073	West	W2-2 (30")L
0.274	East	1 Replace "NO PARKING BETWEEN SIGNS" (12")
0.445	West	R2-1 (24") (45 MPH)
0.455	East	R2-1 (24") (45 MPH)
@ Sassafras Rd.	West	1 Erect R1-1 (24")
@ Sassafras Rd.	West	(1) D3-1 "SASSAFRAS RD."
@ Sassafras Rd.	West	3 Erect (1) D3-1 "WAUBASCON RD."
Q Sassafras Rd.	0.758	
0.941	East	1 Remove W2-2 (30")L
0.965	West	1 Raise R2-1 (24") (45 MPH) to 5' B.H.
@ R Dr. N. (E. Kirby Rd.)	West	(2) D3-1
@ R Dr. N. (E. Kirby Rd.)	West	R1-1 (24")
@ R Dr. N. (E. Kirby Rd.)	West	W3-1 (30")
@ R Dr. N. (E. Kirby Rd.)	East	W1-7 (48")
Q R Dr. N. (E. Kirby Rd.)	1.020	
Q R Dr. N. (E. Kirby Rd.)	0.000	

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WORK SHEET

Sheet 4 of

FAS 899 (4 1/2 Mile Rd.) (Waubascon Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.042	East	I	Replace R2-1 (24")(45 MPH)
0.072	West		W2-2 (30")R
@ Manbly Lane	West	I	Erect R1-1 (24")
⊕ Manbly Lane 0.257			
@ Manbly Lane	West		(2) D3-1
0.434	East		W2-1 (30")
0.473	West		R2-1 (24")(45 MPH)
@ S Dr. N. (E. Halbert Rd.)	West		R1-1 (24")
@ S Dr. N. (E. Halbert Rd.)	West		W3-1 (30")
@ S Dr. N. (E. Halbert Rd.)	East		(2) D3-1
⊕ S Dr. N. (E. Halbert Rd.) 0.513			
@ S Dr. N. (E. Halbert Rd.)	East		R1-1 (30")
@ S Dr. N. (E. Halbert Rd.)	East		W3-1 (30")
0.585	East		R2-1 (24")(45 MPH)
0.593	West		W2-1 (30")
1.174	West		R2-1 (24")(45 MPH)
1.202	East	I	Remove W2-1 (30")
⊕ U Dr. N. (W.) (Edmonds Rd.) 1.278			
⊕ U Dr. N. (E.) (Crandall Rd.) 0.000			Blacktop- Yellow Skip - No Pass Yellow
0.065	East		R2-1 (24")(45 MPH)
0.080	West		W2-2 (30")L
0.482	East		R2-1 (24")(45 MPH)
0.482	West		R2-1 (24")(45 MPH)
0.691	East	I	Replace W1-2 (30")R w/W1-3 (30")R & Erect W13-1 (18")(30 MPH)
0.872	West	I	Erect W1-6 (48") facing south
@ Netop Dr.	East		(2) D3-1

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 1

Route FAS 899 (S. 20th St.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	14	2		4	6
R1-1 (30")	3	1			1
R1-1 (36")	2				
R1-3 (30")	2		2		2
R2-1 (24") (35 MPH)	7	1	1	4	6
R2-1 (24") (45 MPH)	14	1			1
R7-1 (12")	13				
"NO MOTORBIKES OR ATV'S" (24")	1				
"NO PARKING BETWEEN SIGNS" (12")	1	1			1
W1-3 (30")R	1			1	1
W1-6 (48")	2			2	2
W1-7 (48")	4			2	2
W2-1 (30")	2				
W2-2 (30")R	1				
W2-2 (30")L	3				
W3-1 (30")	3				
W3-1 (36")	3			3	3
W13-1 (18") (30 MPH)	1			1	1
D3-1	29			4	4
TOTAL	106	6	3	21	30

WORK SHEET

FAS 900(6 Mile Rd.)(North Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
N. Limits Battle Creek 0.000		Blacktop
0.095	East	R2-1 (24") (35 MPH)
@ Fenton St.	West	R1-1 (24")
Q Fenton St. 0.120		
@ Fenton St.	West	(2) D3-1
Q Eastwood Dr. 0.190		
@ Eastwood Dr.	East	R1-1 (24")
@ Eastwood Dr.	East	3 Replace (2) G3-11 w/(2) D3-1
@ Ardmoor Dr.	West	R1-1 (30")
Q Ardmoor Dr. 0.234		
@ Ardmoor Dr.	West	(2) D3-1
0.250	East	1 Replace W9-1-24 w/S1-1 (36")
0.293	East	R2-1 (24") (35 MPH)
0.293	West	R2-1 (24") (35 MPH)
@ Purdy Dr.	East	3 Replace (2) G3-11 w/(2) D3-1
Q Purdy Dr. 0.394		
@ Purdy Dr.	East	R1-1 (24")
@ Algonquin St.	West	R1-1 (24")
Q Algonquin St. 0.411		
@ Algonquin St.	West	(2) D3-1
0.432	West	1 Replace W9-1-24 w/S1-1 (36")
0.434	East	W2-1 (30")
0.479	West	R2-1 (24") (35 MPH)
Q O Dr. N. (Morgan Rd.) 0.524		Begin Yellow Skip - No Pass Yellow
		4W-1C-SA Flashing Beacon
0.553	East	R2-1 (24") (35 MPH)

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WORK SHEET

Sheet 2 of

FAS 900(6 Mile Rd.)(North Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.593	West		W2-1 (30")
⊕ Morave Dr. 0.606			
@ Morave Dr.	East	3	Replace (?) G3-11 w/(?) D3-1
@ Morave Dr.	East		R1-1 (24")
0.781	East		R2-1 (24")(45 MPH)
0.781	West		R2-1 (24")(35 MPH)
0.960	East	1	Remove W2-2 (30")L
0.998	West		R2-1 (24")(45 MPH)
@ Yawger Rd.	West		R1-1 (24")
@ Yawger Rd.	West		W3-1 (30")
⊕ Yawger Rd. 1.035			
⊕ Yawger Rd. 0.000			
@ Yawger Rd.	West		(?) D3-1
0.040	East	1	Erect R2-1 (24")(45 MPH)
0.082	West	1	Remove W2-2 (30")R
⊕ Wagon Wheel Ln. 0.156			
@ Wagon Wheel Ln.	East		R1-1 (30")
@ Wagon Wheel Ln.	East	3	Replace (?) G3-11 w/(?) D3-1
0.198	East		W1-2 (30")R
⊕ Arcadia Blvd. 0.221			
@ Arcadia Blvd.	East		R1-1 (24")
@ Arcadia Blvd.	East	3	Replace (?) G3-11 w/(?) D3-1
0.271	East		R2-1 (24")(45 MPH)
0.271	West		R2-1 (24")(45 MPH)
⊕ Carpenter's Dr. 0.314			
@ Carpenter's Dr. 0.333	West		R1-1 (30")

WORK SHEET

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Sheet 3 of 5

FAS 900 (6 Mile Rd.)(North Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Carpenter's Dr. 0.333	West	1	Erect W3-1 (36")
@ Carpenter's Dr.	West	3	Replace (1) D3-1 'CARPENTER'S DR.' Erect (1) D3-1 'NORTH AVE.'
0.514	East		I6-3 (30") →
0.545	West	1	Erect R2-1 (24") (45 MPH)
@ Bauman Rd.	West		R1-1 (30")
@ Bauman Rd.	West	1	Erect W3-1 (36")
@ Bauman Rd. 0.585			
@ Bauman Rd.	East		R1-1 (30")
@ Bauman Rd.	East	3	Replace (2) G3-1† w/(2) D3-1
0.589	West		W1-2 (30")L
0.617	East		W1-2 (30")L
0.630	East		R2-1 (24") (45 MPH)
0.707	West	1	Raise ← I6-3 (30") to 5' B.H.
@ Co. Rd. 0.834			
@ Co. Rd.	East		R1-1 (24")
0.939	East		R2-1 (24") (35 MPH)
0.939	West		R2-1 (24") (45 MPH)
0.970	West		W1-2 (30")R
1.111	East		W1-2 (30")L
1.142	East		W2-1 (30")
1.155	West	1	Erect R2-1 (24") (35 MPH)
@ R Dr. N. (St. Marys Lake Rd.)	West		R1-1 (24")
@ R Dr. N. (St. Marys Lk. Rd.)	West		W3-1 (30")
@ R Dr. N. (St. Marys Lk. Rd.) 1.195			
@ R Dr. N. (St. Marys Lk. Rd.) 0.000			
@ R Dr. N. (St. Marys Lk. Rd.)	East		R1-1 (24")

WORK SHEET

FAS 900 (6 Mile Rd.) (North Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ R Dr. N. (St. Marys Lk. Rd.)	East		W3-1 (30")
@ R Dr. N. (St. Marys Lk. Rd.)	East	3	Replace (2) G3-11 w/(2) D3-1
0.020	East	1	Erect R2-1 (24")(35 MPH)
0.051	West		W2-1 (30")
0.198	East		R2-1 (24")(45 MPH)
0.198	West		R2-1 (24")(35 MPH)
0.440	East	1	Remove W2-2 (30")L
0.479	West		R2-1 (24")(45 MPH)
0.509	East	1	Replace R2-1 (24")(45 MPH) & "ENDS" panel w/R2-3a (24")
@ Halbert Rd.	West	1	Replace RI-2-36 w/RI-1 (24")
@ Halbert Rd.	West	1	Replace W3-2(30")w/W3-1 (30")
@ Halbert Rd.	East		W1-7 (48")
⊕ Halbert Rd. 0.520			
@ Halbert Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
0.598	West	1	Remove W2-2 (30")R
0.652	West	1	Relocate R2-5c (24") 400' N.
0.840	East	1	Replace W1-4 (30")L w/W3-2 (30")
0.885	East	1	Replace W2-4 (30")w/W2-5 (30")
⊕ North Ave. (Ext.) 0.984			
1.009	East	1	Replace RI-2-36 w/RI-1 (30")
@ North Ave. (W. Ext.) @ T Dr. N. (Wte. Rabbit Rd.)	West	2	Replace RI-2-36 w/RI-2 (36") (
⊕ T Dr. N. (White Rabbit Rd.) 1.035			
@ T Dr. N. (White Rabbit Rd.)	North		W1-7 (48")
⊕ U Dr. N. (Crandall Rd.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.146	West	1	Remove W2-2 (30")R
0.653	East		W2-2 (30")R

WORK SHEET

FAS 900 (6 Mile Rd.)(North Ave.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
@ V Dr. N. (Poorman Rd.)	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ V Dr. N. (Poorman Rd.) 0.802			
@ V Dr. N. (Poorman Rd.)	West	1	Erect W1-7 (48")
@ V Dr. N. (Poorman Rd.)	East		R1-1 (30")
@ V Dr. N. (Poorman Rd.)	East	1	Remove W2-4 (30")
0.876	East	1	Remove W2-2 (30")L
0.947	West		W2-2 (30")L
0.993	West		R7-1 (12")
1.011	West		R7-1 (12")
@ W Dr. N. (Jones Rd.)	West	3	Replace (2) D3-1
@ W Dr. N. (Jones Rd.)	West		R1-1 (24")
@ W Dr. N. (Jones Rd.)	West		W3-1 (30")
⊕ W Dr. N. (Jones Rd.) 1.027			
⊕ W Dr. N. (Jones Rd.) 0.000			
@ W Dr. N. (Jones Rd.)	East	1	Relocate W1-7 (48") to target position
0.149	West		W2-2 (30")R
0.165	East	1	Replace W1-4 (30")R w/W1-3 (30")R & Erect W13-1 (18")(30 MPH)
0.259	East	1	Remove "SLOW" sign
0.335	East	1	Remove W2-2 (30")L
⊕ North Ave.(Ext)0.398			
@ North Ave. (Ext.)	West		R1-1 (24")
@ North Ave. (Ext.)	West		(2) D3-1
0.423	West	1	Erect W1-6 (48") facing south
0.460	West	3	Erect I2-2
⊕ Base Line Rd. 0.500			

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STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 900 (6 Mile Rd.)(North Ave.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	13			1	1
R1-1 (30")	7			1	1
R1-2 (36")	1		1		1
R2-1 (24") (35 MPH)	10			2	2
R2-1 (24") (45 MPH)	10			2	2
R2-3a (24")	1			1	1
R2-5c (24")	1				
R7-1 (12")	2				
4W-1C-SA Flashing Beacon	1				
W1-2 (30")R	2				
W1-2 (30")L	3				
W1-3 (30")R	1			1	1
W1-6 (48")	1			1	1
W1-7 (48")	4			1	1
W2-1 (30")	4				
W2-2 (30")R	2				
W2-2 (30")L	1				
W2-5 (30")	1			1	1
W3-1 (30")	5			1	1
W3-1 (36")	2			2	2
W3-2 (30")	1			1	1
W13-1 (18") (30 MPH)	1			1	1
S1-1 (36")	2			2	2

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WORK SHEET

Sheet 1 of 6

FAS 901 (O Drive N.) (Morgan Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ M-37 (Bedford Rd.) 0.000		Blacktop-Yellow Skip-No Pass Yellow
☉ M-37 (Bedford Rd.)	North	(2) D3-1
0.025	North	W1-6 (48")
☉ Co. Rd.	South	1 Replace R3-27-24 w/R5-1 (30") & Erect R5-9 (30") on bottom.
☉ Co. Rd. 0.030		
☉ Co. Rd.	South	1 Replace R1-2-36 w/R1-1 (24")
0.047	South	1 Erect R2-1 (24")(45 MPH)
☉ Bynum Dr. 0.347		
☉ Bynum Dr.	South	1 Erect R1-1 (24")
☉ Bynum Dr.	South	3 Replace (2) D3-1
0.468	North	1 Raise R2-1 (24")(45 MPH) to 5' B.H.
☉ Bynum Dr. 0.473		
☉ Bynum Dr.	South	1 Erect R1-1 (24")
☉ Bynum Dr.	South	3 Replace (2) D3-1
0.520	South	1 Raise R2-1 (24")(45 MPH) to 5' B.H.
☉ Lakeway Dr.	North	1 Erect R1-1 (24")
☉ Lakeway Dr.	North	3 Replace (1) D3-1 "LAKEWAY DR."
☉ Lakeway Dr.	North	3 Erect (1) D3-1 "MORGAN RD."
☉ Lakeway Dr. 0.766		
☉ Brown Dr.	North	1 Erect R1-1 (24")
☉ Brown Dr. 0.842		
☉ Brown Dr.	North	(2) D3-1
0.947	South	1 Relocated W3-1 (36")
0.975	South	1 Replace W3-1 (30") w/W3-1 (36") & relocate 150' W.
0.984	North	R2-1 (24")(45 MPH)
☉ 4 1/2 MI. Rd.	South	1 Replace R1-1 (36") & Erect R1-3 (30")

WORK SHEET

FAS 901 (O Drive N.) (Morgan Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 4 1/2 MI. Rd. (Waubascon Rd.)	South		(2) D3-1
⊙ 4 1/2 MI. Rd. (Waubascon Rd.) 1.051			
⊙ 4 1/2 MI. Rd. (Waubascon Rd.) 0.000			
@ 4 1/2 MI. Rd. (Waubascon Rd.)	North	1	Replace R1-1 (36") & Erect R1-3 (30")
0.030	South	1	Erect R2-1 (24")(45 MPH)
0.133	North	1	Replace W3-1 (30") w/W3-1 (36")
0.436	South	1	Remove W2-1 (30")
0.470	North	1	Relocated R2-1 (24")(45 MPH)
@ 5 MI. Rd. (Hubbard Rd.)	North		R1-1 (30")
@ 5 MI. Rd. (Hubbard Rd.)	North		W3-1 (30")
@ 5 MI. Rd. (Hubbard Rd.)	North		(2) D3-1
⊙ 5 MI. Rd. (Hubbard Rd.) 0.513			
@ 5 MI. Rd. (Hubbard Rd.)	South		R1-1 (24")
@ 5 MI. Rd. (Hubbard Rd.)	South	1	Replace W3-1 (24") w/W3-1 (30")
0.560	North	1	Relocate R2-1 (24")(45 MPH) 475' W.
0.595	North	1	Remove W2-1 (30")
1.044	North		R2-1 (24")(45 MPH)
@ N. Washington Ave.	South	3	Replace (1) D3-1 "N. WASHINGTON AVE."
@ N. Washington Ave.	South	3	Erect (1) D3-1 "MORGAN RD."
⊙ N. Washington Ave. 1.058			
@ N. Washington Ave.	North		W1-7 (48")
@ N. Washington Ave.	South		R1-1 (24")
1.074	South	1	Raise R2-1 (24")(45 MPH) to 5' B.H.
@ Temple Rd.	South	3	Replace (2) D3-1
⊙ Temple Rd. 1.204			
@ Temple Rd.	South		R1-1 (24")

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WORK SHEET

Sheet 3 of 6

FAS 901 (0 Drive N.) (Morgan Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Spruce Rd.	South	3	Replace (1) D3-1 "SPRUCE RD."
@ Spruce Rd.	South	3	Erect (1) D3-1 "MORGAN RD."
⊕ Spruce Rd. 1.354			
@ Spruce Rd.	South		R1-1 (30")
1.429	South		W3-1 (36")
1.505	North	1	Raise R2-1 (24")(45 MPH) to 5' B.H.
@ 6 Mi. Rd. (North Ave.)	South		R1-1 (36")
@ 6 Mi. Rd. (North Ave.)	North		(2) D3-1
@ 6 Mi. Rd. (North Ave.)	North	1	Remove "SPEED RADAR TIMED" sign
@ 6 Mi. Rd. (North Ave.)	North	3	Replace "ENTER BEDFORD TOWNSHIP PLEASE DRIVE CAREFULLY" w/I2-2a
⊕ 6 Mi. Rd. (North Ave.) 1.540			
⊕ 6 Mi. Rd. (North Ave.) 0.000			
@ 6 Mi. Rd. (North Ave.)	North		R1-1 (36")
0.036	South	1	Replace R2-1 (24")(45 MPH)
⊕ LaVita St. 0.091			
@ LaVita St.	South	1	Replace R1-2+36 w/R1-1 (24")
@ LaVita St.	South	3	Replace (2) G3-11 w/(2) D3-1
0.108	North		W3-1 (36")
@ Norave Dr.	North		R1-1 (24")
⊕ Norave Dr. 0.189			
@ Norave Dr.	North	3	Replace (2) G3-11 w/(2) D3-1
0.349	North	1	Erect Type III O.M. (12"x36")L
0.436	South	1	Remove W2-2 (30")R
0.473	North		R2-1 (24")(45 MPH)
@ Purdy Dr.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Purdy Dr. 0.490			

WORK SHEET

FAS 901 (O Drive N.) (Morgan Rd.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
@ Purdy Dr.	South		RI-1 (30")
0.530	South	1	Erect R2-1 (24") (45 MPH)
0.587	North	1	Remove W2-2 (30") L
0.937	South		W2-1 (30")
0.970	North		R2-1 (24") (45 MPH)
@ 7 Mi. Rd. (East Ave. N.)	North		RI-1 (36")
@ 7 Mi. Rd. (East Ave. N.)	North	1	Replace W3-1 (30") w/W3-1 (36")
@ 7 Mi. Rd. (East Ave. N.) 1.016			
@ 7 Mi. Rd. (East Ave. N.) 0.000			
@ 7 Mi. Rd. (East Ave. N.)	North	3	Replace (2) G3-11 w/(2) D3-;
@ 7 Mi. Rd. (East Ave. N.)	South		RI-1 (36")
@ 7 Mi. Rd., (East Ave. N.)	South		W3-1 (36")
0.038	South		R2-1 (24") (45 MPH)
0.087	North	1	Replace W2-1 (30")
0.274	North	1	Replace R2-1 (24") (45 MPH)
@ M-66 (Capital Ave.)	North	3	Replace (2) G3-11 w/(2) D3-1
@ M-66 (Capital Ave.) 0.513			
	FAS 901 (O Drive N.) (Pennfield Rd.)		
@ M-66 (Capital Ave.) 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ M-66 (Capital Ave.)	North	3	Replace (2) G3-11 w/(2) D3-1
0.047	South		R2-1 (24") (35 MPH)
@ Storkan Dr. 0.172			
@ Storkan Dr.	South	1	Erect RI-1 (24")
@ Storkan Dr.	South	3	Replace (2) G3-11 w/(2) D3-1
0.225	South	2	Replace W9-1-24 w/S1-1 (36")
0.479	South		R2-1 (24") (35 MPH)

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WORK SHEET

Sheet 5 of

FAS 901 (Q Drive N.) (Pennfield Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.479	North		R2-1 (24")(35 MPH)
0.574	South	2	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
@ Wanondoger Tr.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Wanondoger Tr. 0.705			
@ Wanondoger Tr.	South		R1-1 (24")
0.766	North	2	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
0.817	South	1	Replace R2-1 (24")(45 MPH) & Reloc. 35' E.
0.824	South	1	Relocated R2-1 (24")(45 MPH)
0.824	North	1	Erect R2-1 (24")(35 MPH)
0.838	North	1	Relocate R2-1 (24")(45 MPH) 1800' E.
0.858	South	1	Erect Type III O.M. (12"x36")L
0.875	North	1	Erect Type III O.M. (12"x36")L
0.956	North	2	Replace W9-1-30 w/S1-1 (36")
1.031	South	1	Erect W1-4 (30")L
⊕ Q Dr. N. (Ext.) 0.118			
@ Q Dr. N. (Ext.)	South	2	Replace R1-2-36 w/R1-2 (36")
1.179	North	1	Relocated R2-1 (24")(45 MPH)
@ 9 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 9 MI. Rd. 1.217			
⊕ 9 MI. Rd. 0.000			
@ 9 MI. Rd.	South	2	Replace R1-2-36 w/R1-2 (36")
0.013	South	1	Erect R2-3a (24")
0.113	North		W2-2 (30")L
0.144	North		W1-4 (30")L
0.284	North		R2-5c (24")
0.374	South	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")R

WORK SHEET

FAS 901 (Q Drive N.) (Pennfield Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.689	North	1 Erect W13-1 (18")(40 MPH) on W1-2 (30")L
0.909	South	1 Replace W2-4 (30") w/W3-1 (36")
@ 10 Mi. Rd. (Pine Lake Rd.)	South	1 Replace R1-2-36 w/R1-1 (30")
@ 10 Mi. Rd. (Pine Lake Rd.)	South	3 Replace (2) G3-11 w/(2) D3-1
@ 10 Mi. Rd. (Pine Lake Rd.) 1.053		
	FAS 901 (10 Mile Rd.) (Pine Lake Rd.)	
@ Q Dr. N. (Pennfield Rd.) 0.000		Blacktop-Yellow Skip-No Pass Yellow
@ Q Dr. N. (Pennfield Rd.)	East	W1-7 (48")
0.010	West	W10-1 (36")
0.023	West	1 Relocated R2-1 (24")(45 MPH)
0.040	East	R2-1 (24")(45 MPH)
0.040	West	W2-2 (30")L
0.047	East	1 Replace "NO DUMPING" sign
0.057	West	1 Replace R15-1 (w/Flashers & Gates) & "2 TRACKS" w/R15-2
0.066	East	1 Replace R15-1 (w/Flashers & Gates) & "2 TRACKS" w/R15-1
0.089	West	1 Relocate R2-1 (24")(45 MPH) 350' N.
0.089	West	1 Erect W1-4 (30")L
0.114	East	W10-1 (36")
@ Chippewa Tr.	East	3 Replace (2) G3-11 w/(2) D3-1
@ Chippewa Tr.	East	1 Replace R1-1 (24")
@ Chippewa Tr.	East	1 Remove W2-4 (30")
@ Chippewa Tr. 0.161		
0.461	East	W1-4 (30")L
0.587	East	R2-1 (24")(45 MPH)
@ Bellevue Rd.	West	1 Replace R1-2-36 w/R1-1 (30")
@ Bellevue Rd. 0.633		

QUANTITY SHEET

County CalhounSheet 1 of 2Route EAS 901 (O Drive N.) (Morgan Rd.)Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	13	1		7	8
RI-1 (30")	5			2	2
RI-1 (36")	6	2			2
RI-2 (36")	2		2		2
RI-3 (30")	2			2	2
R2-1 (24") (35 MPH)	4			1	1
R2-1 (24") (45 MPH)	20	3		3	6
R2-3a (24")	1			1	1
R2-5c (24")	1				
R5-1 (30")	1			1	1
R5-9 (30")	1			1	1
RI5-1 (w/Flashers & Gates)	2	2			2
RI5-2	2			2	2
"NO DUMPING" (24")	1	1			1
WI-2 (30")R	1				
WI-2 (30")L	1				
WI-4 (30")L	4			2	2
WI-6 (48")	1				
WI-7 (48")	2				
W2-1 (30")	2	1			1
W2-2 (30")L	2				
W3-1 (30")	2				
W3-1 (36")	7			4	4

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WORK SHEET

Sheet 1 of 1

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ S. Co. Line Dr. 0.000			Blacktop-Yellow Skip-No Pass Yellow
0.019	East	3	Erect I2-2
0.147	West	1	Replace W2-1 (30")
0.190	West	1	Replace W1-4 (30")R & Erect W13-1 (18") (45 MPH)
0.522	East		W10-1 (36")
0.581	East		R15-1
0.585	West		R15-1
0.641	West	1	Replace W10-1 (36")
0.876	East	1	Replace W2-1 (30")
@ V Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ V Dr. S.	West	1	Replace R1-1 (30")
@ V Dr. S.	West	1	Replace W2-1 (30") w/W3-1 (30")
☉ V Dr. S. 1.024			
☉ V Dr. S. 0.000			
@ V Dr. S.	East		R1-1 (24")
@ V Dr. S.	East	1	Replace W2-1 (30") w/W3-1 (30")
0.150	West	1	Remove W2-1 (30")
0.895	East	1	Erect R2-5c (24")
1.123	West	1	Erect R2-3a (24")
☉ S. Burlington Limits 1.178			
☉ N. Burlington Limits 0.000	East	1	Erect R2-3a (24")
0.284	West	1	Erect R2-5c (24")
0.299	East	1	Replace W2-2 (30")R
@ R Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
☉ R Dr. S. 0.439			
@ R Dr. S.	East	1	Replace R1-1 (30")

WORK SHEET

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.589	West	1 Remove W2-2 (30")L
0.805	East	1 Remove W2-1 (30")
@ Q Dr. S.	West	1 Raise RI-1 (30") to 5' B.H.
@ Q Dr. S.	West	1 Replace W3-1 (30")
Q Dr. S. 0.951		
Q Dr. S. 0.000		
@ Q Dr. S.	East	RI-1 (24")
@ Q Dr. S.	East	W3-1 (30")
@ Q Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
0.120	West	1 Remove W2-1 (30")
0.131	East	1 Relocated W1-1 (30")L & W13-1 (18") (30 MPH)
0.152	East	1 Erect W13-1 (18")(30 MPH) on W1-1 (30")L & relocate 110' S.
0.216	East	1 Remove "SLOW" sign
0.466	South	1 Replace W1-1 (30")R & Erect W13-1 (18")(30 MPH)
0.565	North	1 Replace W1-1 (30")R & Erect W13-1 (18")(30 MPH) & relocate 165' W.
0.596	North	1 Relocated W1-1 (30")R & W13-1 (18")(30 MPH)
0.883	West	1 Erect W13-1 (18")(30 MPH) on W1-1 (30")L
0.949	East	W2-2 (30")L
@ O Dr. S.	West	1 Replace RI-1 (30") & relocate 40' E.
@ O Dr. S.	West	1 Replace W3-1 (30")
Q Dr. S. 1.103		
Q Dr. S. 0.000		
@ O Dr. S.	East	3 Replace (2) G3-11 w/(2) D3-1
0.146	West	W2-2 (30")R
0.287	East	Type III O.M. (12"x36")L
0.287	West	Type III O.M. (12"x36")R

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WORK SHEET

Sheet 3 of 1

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.294	East		Type III O.M. (12"x36")R
0.294	West		Type III O.M. (12"x36")L
0.297	East	1	Relocated W1-2 (30")R & W13-1 (18")(35 MPH)
0.310	East	1	Replace W1-2 (30")R & Erect W13-1 (18") (35 MPH) & relocate 70' S.
0.330	East	1	Remove W2-4 (30")
⊙ 11 Mi. Rd. (Ext.) 0.444			
@ 11 Mi. Rd. (Ext.)	West	2	Replace R1-2-36 w/R1-2 (36")
@ N Dr. S.	East	1	Replace R1-2-36 w/R1-1 (24")
⊙ N Dr. S. 0.511			
	FAS 902 (N Drive S.)		
⊙ 11 Mi. Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ 11 Mi. Rd. (Ext.)	South	2	Replace R1-2-36 w/R1-2 (36")
⊙ 11 Mi. Rd. (Ext.) 0.055			
0.076	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.095	South	1	Remove W2-2 (30")L
0.145	North	1	Remove W2-2 (30")L
0.166	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
⊙ 11 Mi. Rd. (Ext.) 0.200			
@ 11 Mi. Rd. (Ext.)	North	2	Replace R1-2-36 w/R1-2 (36")
⊙ 11 Mi. Rd. 0.256			
	FAS 902 (11 Mile Rd.)		
⊙ N Dr. S. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ N Dr. S.	West	2	Replace R1-2-36 w/R1-2 (36")
@ 11 Mi. Rd. (Ext.)	East	2	Replace R1-2-36 w/R1-2 (36")
⊙ 11 Mi. Rd. (Ext.) 0.057			
0.200	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R

WORK SHEET

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.364	East		W2-2 (30"R)
@ M Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
☉ M Dr. S. 0.513			
☉ M Dr. S. 0.000			
@ M Dr. S.	East		RI-1 (30")
@ M Dr. S.	East	1	Replace W2-4 (30") w/W3-1 (30")
0.146	West		W2-2 (30"L)
0.826	East		W2-2 (30"L)
@ K Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ K Dr. S.	West	1	Replace RI-1 (24")
@ K Dr. S.	West		W3-1 (30")
☉ K Dr. S. 0.971			
☉ K Dr. S. 0.000			
0.150	West		W2-2 (30"R)
0.611	East	1	Replace W2-2 (30"R)
☉ J Dr. S. 0.755			
☉ J Dr. S. 0.000			
@ J Dr. S.	East	3	Replace (1) G3-11 "11 MILE RD." w/(1) D3-1
@ J Dr. S.	East		(1) D3-1
@ J Dr. S.	East		RI-1 (30")
@ J Dr. S.	East	1	Replace W2-4 (30") w/W3-1 (30")
0.146	West	1	Remove W2-2 (30"L)
0.343	East		W2-1 (30")
0.367	East	1	Remove "SLOW" sign
☉ I Dr. S. 0.500			
☉ I Dr. S. 0.000			

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WORK SHEET

Sheet 5 of 10

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.142	West		W2-1 (30")
0.395	East		Type III O.M. (12"x36")L
0.395	West		Type III O.M. (12"x36")R
0.402	East		Type III O.M. (12"x36")R
0.402	West		Type III O.M. (12"x36")L
1.115	East		W2-1 (30")
⊙ F Dr. S. 1.275			
⊙ F Dr. S. 0.000			
@ F Dr. S.	East	1	Replace RI-1 (30")
@ F Dr. S.	East	1	Replace W2-1 (30") w/W3-1 (36")
0.146	West		W2-1 (30")
0.649	East		W2-1 (30")
@ E Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ E Dr. S.	West		RI-1 (24")
@ E Dr. S.	West		W3-1 (30")
⊙ E Dr. S. 0.800			
⊙ E Dr. S. 0.000			
@ E Dr. S.	East		RI-1 (24")
@ E Dr. S.	East		W3-1 (30")
0.069	East		W2-2 (30")L
0.153	West		W2-1 (30")
@ D Dr. S.	West	1	Erect RI-1 (24")
@ D Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
⊙ D Dr. S. 0.216			
0.360	West		W2-2 (30")R
1.089	East	1	Replace W3-1 (30") w/W3-1 (36")

WORK SHEET

FAS 907 (11 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ B Dr. S.	East	R1-1 (30")
⊙ B Dr. S. 1.229		
⊙ B Dr. S. 0.000		
@ B Dr. S.	West	R1-1 (30")
0.147	West	1 Replace W3-1 (30") w/W3-1 (36")
1.021	East	1 Remove "SPEED RADAR TIMED" sign
1.877	East	1 Replace W3-1 (30") w/W3-1 (36")
@ B Dr. N.	East	R1-1 (30")
⊙ B Dr. N. 2.036		
⊙ B Dr. N. 0.000		
@ B Dr. N.	West	R1-1 (30")
0.152	West	1 Replace W3-1 (30") w/W3-1 (36")
0.708	East	1 Replace W2-2 (30")L
@ D Dr. N.	West	3 Replace (?) G3-11 w/(?) D3-1
@ D Dr. N.	West	R1-1 (24")
@ D Dr. N.	West	W3-1 (30")
⊙ D Dr. N. 0.858		
⊙ D Dr. N. 0.000		
0.147	West	1 Remove W2-2 (30")R
0.354	East	W2-2 (30")R
0.459	East	W10-1 (36")
⊙ E Dr. N. 0.501		
@ E Dr. N.	East	R1-1 (24")
@ E Dr. N.	East	3 Replace (?) G3-11 w/(?) D3-1
0.513	East	R15-1 (w/Flashers & Gates)
0.513	East	2 Replace "2 TRACKS" w/R15-2

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WORK SHEET

Sheet 7 of 1

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.524	West		R15-1 (w/Flashers & Gates)
0.524	West	2	Replace "2 TRACKS" w/R15-2
0.584	West		W10-1 (36")
0.658	West		W2-2 (30")L
1.032	East		W2-2 (30")L
@ F Dr. N.	East		W1-7 (48")
@ F Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ F Dr. N.	West	1	Replace R1-2-36 w/R1-1 (30")
@ F Dr. N.	1.180		
1.359	East	1	Erect R2-5c (24")
1.386	East		W3-1 (36")
1.615	West	1	Erect R2-3a (24")
@ Michigan Avenue	East		R1-1 (36")
@ Michigan Ave.	1.643		
@ Michigan Ave.	0.000		
@ Michigan Ave.	West		R1-1 (36")
0.124	East	1	Replace R2-1 (24")(35 MPH)
@ I-94	0.181		
0.450	East	1	Remove W2-2 (30")R
0.461	East		R2-1 (24")(35 MPH)
0.514	West		R2-1 (24")(35 MPH)
@ H Dr. N.	0.556		
@ H Dr. N.	West		W1-7 (48")
@ H Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ H Dr. N.	East	1	Replace R1-2-36 w/R1-1 (24")
@ H Dr. N.	East	1	Replace W3-2 (30") w/W3-1 (36")

WORK SHEET

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Sheet 8 of 10

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.589	East	1 Replace R2-1 (24")(45 MPH) & relocate 60' N.
0.600	East	1 Relocated R2-1 (24")(45 MPH)
0.600	West	1 Erect R2-1 (24")(35 MPH)
0.707	West	W2-2 (30")L
⊙ Ridgewood Dr. 0.939		
@ Ridgewood Dr.	East	3 Replace (1) G3-11 "RIDGEWOOD DR."
@ Ridgewood Dr.	East	3 Erect (1) D3-1 "11 MILE RD."
@ Ridgewood Dr.	East	1 Erect R1-1 (24")
1.057	East	1 Remove W2-2 (30")L
1.164	West	R2-1 (24")(45 MPH)
@ I Dr. N.	West	R1-1 (30")
@ I Dr. N.	West	1 Replace W2-4 (30") w/W3-1 (36")
⊙ I Dr. N. 1.202		
⊙ I Dr. N. 0.000		
@ I Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
0.038	East	1 Erect R2-1 (24")(45 MPH)
0.081	West	W2-2 (30")R
0.322	East	1 Replace W3-1 (30") w/W3-1 (36")
0.433	West	R2-1 (24")(45 MPH)
@ Verona Rd.	East	R1-1 (30")
⊙ Verona Rd. 0.468		
@ Verona Rd.	West	R1-1 (30")
0.506	East	1 Erect R2-3a (24")
0.657	West	1 Erect R2-5c (24")
1.202	East	W2-1 (30")
@ L Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1

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WORK SHEET

Sheet 9 of 1

FAS 902 (11 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ L Dr. N.	West	RI-1 (24")
@ L Dr. N.	West	W3-1 (30")
☉ L Dr. N. 1.338		
☉ L Dr. N. 0.000		
@ L Dr. N.	East	RI-1 (24")
@ L Drs N.	East	1 Replace W2-1 (30") w/W3-1 (30")
0.137	West	1 Remove W2-1 (30")
0.854	East	1 Replace W3-1 (30") w/W3-1 (36")
@ Gorsline Rd.	East	RI-1 (30")
☉ Gorsline Rd. 1.016		
☉ Gorsline Rd. 0.000		
@ Gorsline Rd.	West	RI-1 (30")
0.145	West	1 Replace W3-1 (30") w/W3-1 (36")
0.208	East	1 Relocated WI-2 (30")L & WI3-1 (18")(35 MPH)
0.265	East	1 Erect WI3-1 (18")(35 MPH) on WI-2 (30")L & Relocate 300' S.
☉ O Dr. N. 0.408		
@ O Dr. N.	North	2 Replace RI-2-36 w/RI-2 (36")
@ O Dr. N.	North	3 Erect (2) D3-1
0.439	North	1 Remove W2-2 (30")R
@ O Dr. N.	South	3 Replace (2) G3-11 w/(2) D3-1
☉ O Dr. N. 0.545		
@ O Dr. N.	North	2 Replace RI-2-36 w/RI-2 (36")
0.592	North	1 Erect WI3-1 (18")(35 MPH) on WI-2 (30")R
0.629	South	1 Erect WI3-1 (18")(35 MPH) on WI-2 (30")R
0.697	South	1 Remove W2-2 (30")L
0.934	West	1 Erect WI3-1 (18")(35 MPH) on WI-2 (30")L & relocate 110' N.

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 902 (11 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	16	1		7	8
R1-1 (30")	17	4		1	5
R1-1 (36")	2				
R1-2 (36")	8		7	1	8
R2-1 (24") (35 MPH)	4	1		1	2
R2-1 (24") (45 MPH)	4	1		1	2
R2-3a (24")	4			4	4
R2-5c (24")	4			4	4
R15-1	2				
R15-1 (w/Flashers & Gates)	2				
R15-2	2		2		2
W1-1 (30")R	2	2			2
W1-1 (30")L	2				
W1-2 (30")R	4	1			1
W1-2 (30")L	4				
W1-4 (30")R	1	1			1
W1-7 (48")	2				
W2-1 (30")	10	2			2
W2-2 (30")R	8	2			2
W2-2 (30")L	8	1			1
W3-1 (30")	13	2		6	8
W3-1 (36")	11			10	10
W10-1 (36")	4	1			1

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WORK SHEET

Sheet 1 of 1

FAS 903 (S Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ Bellevue Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ Bellevue Rd.	North		RI-1 (30")
@ Bellevue Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 12 1/2 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
⊕ 12 1/2 MI. Rd. 0.072			
@ 12 1/2 MI. Rd.	North	3	Erect (2) D3-1
	North	1	Remove W2-2 (30")R
	South		W2-1 (30")
@ 13 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
@ 13 MI. Rd.	North	1	Replace W2-1 (30") w/W3-1 (30")
⊕ 13 MI. Rd. 0.585			
⊕ 13 MI. Rd. 0.000			
@ 13 MI. Rd.	South	1	Replace RI-2-36 w/RI-1 (30")
@ 13 MI. Rd.	South	1	Remove W2-1 (30")
@ 13 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
	North	1	Replace W2-1 (30")
	South	1	Replace W3-2 (30") w/W3-1 (36")
@ 14 MI. Rd.	South	1	Replace RI-2-36 w/RI-1 (30")
⊕ 14 MI. Rd. 1.022			
@ 14 MI. Rd.	East	1	Erect WI-7 (48")
@ 14 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
	FAS 903 (15 Mile Rd.)		
⊕ Verona Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ Verona Rd.	West		RI-1 (30")
	East	1	Erect R2-3a (24")
	West	1	Replace W3-1 (30") w/W3-1 (36")

WORK SHEET

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Sheet 2 of 7

FAS 903 (15 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.284	West	1	Erect R2-5c (24")
0.653	East	1	Remove W2-2 (30")R
@ F Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ F Dr. N. 0.785			
@ F Dr. N.	East	1	Replace R1-1 (24")
@ F Dr. N.	East	1	Remove W2-4 (30")
0.932	West	1	Remove W2-2 (30")L
1.117	East		W8-6 (30")
⊕ I-94 1.269			
1.440	West		W8-6 (30")
1.661	East		W2-2 (30")L
@ H Dr. N.	West		R1-1 (30")
@ H Dr. N.	West	1	Replace W3-1 (30") w/W3-1 (36")
@ H Dr. N.	East	1	Replace W1-7 (48")
⊕ H Dr. N. 1.807			
⊕ H Dr. N. 0.000			
@ H Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
0.148	West		W2-2 (30")R
0.867	East		W2-1 (30")
@ J Dr. N.	West		R1-1 (24")
@ J Dr. N.	West		W3-1 (30")
⊕ J Dr. N. 1.018			
⊕ J Dr. N. 0.000			
@ J Dr. N.	East		R1-1 (24")
@ J Dr. N.	East	1	Replace W3-1 (30") w/W3-1 (36")
@ J Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1

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WORK SHEET

Sheet 3 of

FAS 903 (15 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.144	West	1	Remove W2-1 (30")
0.773	East	1	Remove "SLOW" sign
0.807	East	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
0.842	East	1	Remove W2-4 (30")
0.948			
⊕ 15 MI. Rd. (Ext.)			
@ 15 MI. Rd. (Ext.)	West	2	Replace RI-2-36 w/RI-2 (36")
0.976			
@ L Dr. N.	West	3	Replace (2) G3-1! w/(2) D3-1
@ L Dr. N.	East	1	Erect RI-1 (24")
⊕ L Dr. N.			
1.003			
	FAS 903 (L Drive N.)		
@ 15 MI. Rd.	North	1	Erect W1-7 (48")
⊕ 15 MI. Rd.			Blacktop-Yellow Skip-No Pass Yellow
0.000			
@ 15 MI. Rd. (Ext.)	North	2	Replace RI-2-36 w/RI-2 (36")
⊕ 15 MI. Rd. (Ext.)			
0.050			
0.156	South	1	Remove W2-2 (30")R
0.170	South	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)
0.804	North	1	Remove "SLOW" sign
0.836	North	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)
0.858	North	1	Remove W2-1 (30")
⊕ 14 MI. Rd. (Ext.)			
0.967			
@ 14 MI. Rd. (Ext.)	South	2	Replace RI-2-36 w/RI-2 (36")
@ 14 MI. Rd.	North	1	Erect RI-1 (24")
@ 14 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 14 MI. Rd.	South	1	Remove RI-1 (24")
@ 14 MI. Rd.	South	1	Remove W3-1 (30")
⊕ 14 MI. Rd.			
1.022			

WORK SHEET

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Sheet 4 of 7

FAS 903 (14 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ L Dr. N.	West		RI-1 (30")
☉ L Dr. N. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ 14 Mi. Rd. (Ext.)	East	2	Replace RI-2-36 w/RI-2 (36")
☉ 14 Mi. Rd. (Ext.) 0.047			
0.156	West	1	Remove W2-1 (30")
0.191	West	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
0.210	West	1	Remove "SLOW" Sign
0.874	East	1	Remove W2-1 (30")
@ N Dr. N.	East	1	Replace RI-1 (30")
☉ N Dr. N. 1.022			
☉ N Dr. N. 0.000			
@ N Dr. N.	West		RI-1 (30")
0.144	West	1	Replace W2-1 (30") w/W3-1 (36")
0.347	East	1	Replace W1-4 (30")L w/W1-2 (30")L & Erect W13-1 (18")(35 MPH)
0.500	East	1	Erect W1-6 (48") facing south
0.520	East	1	Erect W1-6 (48") facing north
0.598	East	1	Erect W1-2 (30")R & W13-1 (18")(35 MPH)
0.635	West	1	Erect W1-2 (30")R & W13-1 (18")(35 MPH)
0.863	West	1	Replace W1-4 (30")L w/W1-2 (30")L & Erect W13-1 (18")(35 MPH)
0.913	East		W2-1 (30")
@ P Dr. N.	West	1	Replace RI-2-36 w/RI-1 (30")
@ P Dr. N.	West	1	Replace W2-1 (30") w/W3-1 (36")
☉ P Dr. N. 1.059			
☉ P Dr. N. 0.000			
@ P Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ P Dr. N.	East	1	Replace RI-2-36 w/RI-1 (30")

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WORK SHEET

Sheet 5 of

FAS 903 (14 MI. Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ P Dr. N.	East	1	Replace W2-1 (30") w/W3-1 (30")
0.152	West	1	Replace W2-1 (30")
0.595	East	1	Erect W13-1 (18")(35 MPH) on W1-4 (30")L
0.614	East		W2-2 (30")R
Q Dr. N. 0.736			
@ Q Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ Q Dr. N.	East	1	Replace RI-2-36 w/RI-2 (36")
@ Q Dr. N.	East		W3-2 (30")
0.863	East		W2-2 (30")L
0.885	West		W2-2 (30")L
@ R Dr. N.	West	1	Replace RI-2-36 w/RI-1 (24")
@ R Dr. N.	West	1	Replace W2-4 (30") w/W3-1 (30")
Q R Dr. N. 1.005			
Q R Dr. N. 0.000			
@ R Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
0.085	West	1	Erect W13-1 (18")(35 MPH) on W1-4 (30")L
0.139	West		W2-2 (30")R
0.221	East	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")L
0.440	East	1	Replace W2-2 (30")L
0.557	West	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")R
Q S Dr. N. 0.585			
0.652	East	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(30 MPH)
0.672	East	1	Remove W2-2 (30")R
0.760	West	1	Remove W2-2 (30")R
Q T Dr. N. (Ext.) 0.796			
@ T Dr. N. (Ext.)	West	2	Replace RI-2-36 w/RI-2 (36")

WORK SHEET

FAS 903 (14 Mile Rd.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
☉ T Dr. N. 0.840			
	FAS 903 (T Drive N.)		
@ 14 Mi. Rd.	North		W3-2 (30")
@ 14 Mi. Rd.	West	1	Erect W1-7 (48")
☉ 14 Mi. Rd. 0.000			Blacktop-Yellow skip-No Pass Yellow
@ 14 Mi. Rd.	South	3	Replace (2) G3-11 w/(?) D3-1
@ 14 Mi. Rd.	North	1	Erect R1-2 (36")
@ T Dr. N. (Ext.)	South	2	Replace R1-2-36 w/R1-2 (36")
☉ T Dr. N. (Ext.) 0.047			
0.172	North	1	Remove W2-4 (30")
0.191	North	1	Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18")(30 MPH)
0.767	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
☉ 15 Mi. Rd. (Ext.) 0.912			
@ 15 Mi. Rd. (Ext.)	North	2	Replace R1-2-36 w/R1-2 (36")
@ 15 Mi. Rd.	South	1	Replace R1-2-36 w/R1-1 (24")
☉ 15 Mi. Rd. 0.984			
	FAS 903 (15 Mile Rd.)		
@ T Dr. N.	East		W1-7 (48")
☉ T Dr. N. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ T Dr. N.	East	3	Replace (2) G3-11 w/(?) D3-1
@ 15 Mi. Rd. (Ext.)	East	2	Replace R1-2-36 w/R1-2 (36")
☉ 15 Mi. Rd. (Ext.) 0.066			
0.087	East	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")L
0.158	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.178	West	1	Remove W2-2 (30")R
0.371	West	1	Replace W1-2 (30")R & Erect W13-1 (18")(40 MPH)

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Route FAS 903 (S Drive N.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	10	1		7	8
R1-1 (30")	12	1		5	6
R1-2 (36")	10		8	2	10
R2-3a (24")	1			1	1
R2-5c (24")	1			1	1
W1-1 (30")R	3			3	3
W1-1 (30")L	3			3	3
W1-2 (30")R	5	1		2	3
W1-2 (30")L	4			2	2
W1-4 (30")R	2	1			1
W1-4 (30")L	2				
W1-6 (48")	2			2	2
W1-7 (48")	5	1		3	4
W2-1 (30")	5	2			2
W2-2 (30")R	4				
W2-2 (30")L	5	1			1
W3-1 (30")	5			4	4
W3-1 (36")	6			6	6
W3-2 (30")	2				
W8-6 (30")	2				
W13-1 (18")(30 MPH)	6			6	6
W13-1 (18")(35 MPH)	7			7	7
W13-1 (18")(40 MPH)	5			5	5

WORK SHEET

Sheet 1 of 5

FAS 904 (Garfield Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Junction Rd.	West		W1-7 (48")
@ Junction Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Junction Rd.	West	3	Replace (2) "BELLEVUE" "MARSHALL" w/(1) D1-2 ← MARSHALL BELLEVUE →
⊕ Junction Rd. 0.000			Blacktop - White Skip - No Pass Yellow
@ Junction Rd.	North		R1-1 (24")
0.132	South		W8-6 (30")
0.141	North		W3-1 (30")
0.156	South		R4-1 (24")
0.265	North		R4-2 (24")
⊕ I-69, US-27 0.322			Begin Yellow Skip
0.378	South		R4-2 (24")
0.438	North		W8-6 (30")
⊕ Co. Rd. 0.476			
@ Co. Rd.	South		R1-1 (36")
@ Co. Rd.	South		W3-1 (36")
0.507	North		"NO ACCESS TO I-69" (24"x48")
0.547	North		R4-1 (24")
0.558	South	2	Replace W12-1-21 (35 MPH) w/W13-1 (18") (35 MPH) on W1-2 (36")L
0.669	South		W1-6 (48")
0.807	North	2	Replace W12-1-21 (35 MPH) w/W13-1 (18") (35 MPH) on W1-2 (36")R
1.081	South	2	Replace W12-1-21 (35 MPH) w/W13-1 (18") (35 MPH) on W1-5 (36")R
1.235	North		W1-6 (48")
1.237	North		W1-6 (48")
1.394	North		W1-6 (48")
1.408	North		W1-6 (48")

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Sheet 2 of 5

FAS 904 (Garfield Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.515	South		R7-1 (12")
1.532	South	1	Erect R7-1 (12") on existing post
1.543	South		R7-1 (12")
1.581	North	2	Replace W12-1-21 (35 MPH) w/W13-1 (18") (35 MPH) on W1-5 (36")L
1.581	North		R7-1 (12")
1.659	South	2	Replace W12-1-21 (30 MPH) w/W13-1 (18") (30 MPH) on W1-3 (36")R
1.832	North		W1-6 (48")
1.834	North		W1-6 (48")
1.921	South		W1-6 (48")
1.949	South		W1-6 (48")
2.010	East		W3-1 (36")
2.048	West	2	Replace W12-1-21 (30 MPH) w/W13-1 (18") (30 MPH) on W1-3 (36")R
@ V Dr. N.	West		R1-1 (24")
@ V Dr. N.	West		W3-1 (30")
⊙ V Dr. N.		2.073	
	FAS 904 (V Drive N.)		
⊙ Garfield Rd.		0.000	Blacktop - Yellow Sklp - No Pass Yellow
@ Garfield Rd.	North	2	Replace R1-2-36 w/R1-2 (36")
⊙ Old US-27 (US-27 Hwy.)		0.038	
@ Old US-27 (US-27 Hwy.)	North	3	Replace (2) G3-11 w/(2) D3-1
	South	1	Replace W2-1 (30")
@ 20 Mi. Rd.	North		R1-1 (30")
@ 20 Mi. Rd.	North		W3-1 (30")
@ 20 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊙ 20 Mi. Rd.		1.866	
⊙ 20 Mi. Rd.		0.000	

WORK SHEET

FAS 904 (V Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 20 Mi. Rd.	South		RI-1 (30")
@ 20 Mi. Rd.	South		W3-1 (30")
0.142	North		W2-1 (30")
0.589	South	1	Erect Type III O.M. (12"x36")L
0.589	North	1	Erect Type III O.M. (12"x36")R
0.589	South	1	Erect Type III O.M. (12"x36")R
0.589	North	1	Erect Type III O.M. (12"x36")L
0.872	South	1	Remove W2-1 (30")
@ 21 Mi. Rd.	North	1	Replace RI-1 (24") w/RI-1 (30")
@ 21 Mi. Rd. *	North		W3-1 (36")
Q 21 Mi. Rd. 1.014			
Q 21 Mi. Rd. 0.000			
@ 21 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.150	North		W2-1 (30")
0.878	South	1	Remove W2-2 (30")L
@ 22 Mi. Rd.	North		RI-1 (24")
@ 22 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
Q 22 Mi. Rd. 1.022			
Q 22 Mi. Rd. 0.000			
0.150	North		W2-2 (30")R
0.337	South	1	Remove W2-2 (30")L
@ 22 1/2 Mi. Rd.	North	1	Replace RI-1 (24")
@ 22 1/2 Mi. Rd.	North	1	Remove W2-4 (30")
Q 22 1/2 Mi. Rd. 0.517			
@ 22 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.664	North	1	Remove W2-2 (30")R

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FAS 904 (V Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.883	South	1	Remove W2-2 (30"R)
⊙ 23 Mi. Rd. 1.028			
@ 23 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 23 1/2 Mi. Rd. (E. Ext.)	North	3	Erect (2) D3-1
@ 23 1/2 Mi. Rd. (E. Ext.)	North	2	Replace RI-2-36 w/RI-2 (36")
⊙ 23 1/2 Mi. Rd. (E. Ext.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
0.127	North	1	Replace W2-2 (30"R) w/W2-3 (30"R)
0.321	South		W2-2 (30"R)
@ 24 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊙ 24 Mi. Rd. 0.469			
@ 24 Mi. Rd.	South	1	Replace RI-1 (24")
@ 24 Mi. Rd.	South	1	Remove W2-4 (30")
0.617	North	1	Remove W2-2 (30"L)
1.053	South		Type <input type="checkbox"/> O.M. (12"x36")L
1.053	North		Type <input type="checkbox"/> O.M. (12"x36")R
1.062	South		Type <input type="checkbox"/> O.M. (12"x36")R
1.062	North		Type <input type="checkbox"/> O.M. (12"x36")L
1.970	South		W2-2 (30"R)
1.990	South		W2-2 (30"L)
⊙ 26 Mi. Rd.(S.) 2.100			
⊙ 26 Mi. Rd.(S.) 0.000			
@ 26 Mi. Rd.(S.)	North	3	Replace (2) G3-11 w/(2) D3-1
@ 26 Mi. Rd.(W.)	North		RI-1 (30")
@ 26 Mi. Rd.(N.)	North	1	Replace W3-1 (30")
@ 26 Mi. Rd.(N.)	South		W1-7 (48")
⊙ 26 Mi. Rd.(N.) 0.038			

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Route FAS 904 (Garfield Rd.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	5	2			2
RI-1 (30")	4			1	1
RI-1 (36")	1				
RI-2 (36")	3		2	1	3
R4-1 (24")	2				
R4-2 (24")	2				
R7-1 (12")	4			1	1
W1-2 (36")R	1				
W1-2 (36")L	1				
W1-3 (36")R	2				
W1-5 (36")R	1				
W1-5 (36")L	1				
W1-6 (48")	9				
W1-7 (48")	2				
W2-1 (30")	3	1			1
W2-2 (30")R	3				
W2-2 (30")L	2				
W2-3 (30")R	2			2	2
W3-1 (30")	5	1			1
W3-1 (36")	3				
W8-6 (30")	2				
W13-1 (18") (30 MPH)	2		2		2
W13-1 (18") (35 MPH)	4		4		4

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FAS 905 (R Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊙ US-27 Hwy. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ US-27 Hwy.	South	3	Replace (2) G3-1i w/(2) D3-1
0.063	South	1	Erect Type III O.M. (12"x36")L
0.063	North	1	Erect Type III O.M. (12"x36")R
0.063	South	1	Erect Type III O.M. (12"x36")R
0.063	North	1	Erect Type III O.M. (12"x36")L
0.523	South	1	Replace W8-1 (30") w/W8-2 (30")
0.670	North	1	Erect W8-2 (30")
0.993	South	1	Remove W2-2 (30")L
1.088	South		Type III O.M. (12"x36")L
1.088	North		Type III O.M. (12"x36")R
1.088	South	1	Replace W2-2 (30")R w/W2-3 (30")R
1.098	South		Type III O.M. (12"x36")R
1.098	North		Type III O.M. (12"x36")L
@ 19 1/2 Mi. Rd. (N.)	North		R1-1 (30")
@ 19 1/2 Mi. Rd. (N.)	North	1	Replace W3-1 (36")
@ 19 1/2 Mi. Rd. (N.)	South	1	Erect W1-7 (48")
⊙ 19 1/2 Mi. Rd. (N.) 1.142			
⊙ 19 1/2 Mi. Rd. (N.) 0.000			
@ 19 1/2 Mi. Rd. (N.)	North	3	Replace (2) G3-1i w/(2) D3-1
@ 19 1/2 Mi. Rd. (N.) (E. Ext.)	North		R1-1 (30")
⊙ 19 1/2 Mi. Rd. (N.) (E. Ext.) 0.027			
⊙ 19 1/2 Mi. Rd. (S.) (W. Ext.) 0.060			
@ 19 1/2 Mi. Rd. (S.) (W. Ext.)	South		R1-1 (30")
@ 19 1/2 Mi. Rd. (S.) (E. Ext.)	South	3	Replace (2) G3-1i w/(2) D3-1
⊙ 19 1/2 Mi. Rd. (S.) 0.100			

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FAS 905 (R Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 19 1/2 MI. Rd. (S.) (E. Ext.)	South		RI-1 (30")
@ 19 1/2 MI. Rd. (S.) (L. Ext.)	South	1	Replace W3-1 (30") w/W3-1 (36")
0.150	North	1	Replace W2-2 (30")R w/W2-3 (30")R
0.265	North	1	Replace W2-2 (30")L w/W2-3 (30")L
0.629	South	1	Remove W2-2 (30")L
@ 20 1/2 MI. Rd. 0.776	North	3	Replace (2) G3-11 w/(2) D3-1
@ 20 1/2 MI. Rd.	North		RI-1 (30")
@ 20 1/2 MI. Rd.	North	1	Replace W2-4 (30") w/W3-1 (36")
@ 20 1/2 MI. Rd.	South	1	Erect W1-7 (48")
@ 20 1/2 MI. Rd. 0.776			
0.778	South	1	Erect Type III O.M. (12"x36")L
0.796	North	1	Erect Type III O.M. (12"x36")L
0.920	North	1	Remove W2-2 (30")R
1.392	South	1	Remove W2-1 (30")
@ 21 MI. Rd. 1.540			
@ 21 MI. Rd. 0.000			
@ 21 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.146	North	1	Remove W2-1 (30")
0.354	South	1	Remove W2-2 (30")R
@ 21 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 21 1/2 MI. Rd. 0.501			
@ 21 1/2 MI. Rd.	South	1	Replace RI-1 (24")
@ 21 1/2 MI. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.646	North		W2-2 (30")L
1.886	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 23 MI. Rd.	South		RI-1 (30")

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FAS 905 (R Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ 23 MI. Rd. 2.030			
☉ 23 MI. Rd. 0.000			
@ 23 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 23 MI. Rd.	North		RI-1 (30")
0.145	North	1	Replace W3-1 (30") w/W3-1 (36")
0.889	South		W2-1 (30")
@ 24 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 24 MI. Rd.	North		RI-1 (30")
@ 24 MI. Rd.	North	1	Replace W3-1 (30")
☉ 24 MI. Rd. 1.033			
☉ 24 MI. Rd. 0.000			
@ 24 MI. Rd.	South		RI-1 (30")
@ 24 MI. Rd.	South	1	Remove W3-1 (30")
0.146	North	1	Replace W2-1 (30")
0.519	South	1	Erect Type III O.M. (12"x36")L
0.558	North	1	Erect Type III O.M. (12"x36")L
1.560	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 26 MI. Rd.	South		RI-1 (30")
☉ 26 MI. Rd. 1.665			
	FAS 905 (26 Mile Rd.)		
☉ R Dr. N. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ R Dr. N.	East		W1-7 (48")
@ R Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
0.113	West	1	Remove W2-2 (30")L
0.146	East	1	Remove W2-2 (30")R
☉ Anderson Rd. 0.255			

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Sheet 4 of 7

FAS 905 (Anderson Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 26 Mi. Rd.	West	1	Replace W1-7 (48")
@ 26 Mi. Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
⊕ 26 Mi. Rd. 0.000			Blacktop
@ 26 Mi. Rd.	North	2	Replace R1-2-36 w/R1-2 (36")
0.024	South		W1-5 (30")L
0.055	South	1	Replace R2-1 (24")(25 MPH) & R2-4-24 w/R2-5c (24")
0.150	North		W3-2 (30")
0.231	North	1	Replace R2-1 (24")(25 MPH) & "ENDS" panel w/R2-3a (24") & relocate 100' E.
0.250	North	1	Relocated R2-3a (24")
0.250	South	1	Relocated R2-1 (24")(25 MPH)
0.303	South	1	Relocate R2-1 (24")(25 MPH) 280' W.
0.426	North	1	Relocate R2-1 (24")(25 MPH) 460' E.
0.458	North	1	Replace R7-1 (12")
0.473	South		W2-2 (30")R
0.482	South	1	Relocate R2-1 (24")(25 MPH) 300' E.
0.513	North	1	Relocated R2-1 (24")(25 MPH)
⊕ 26 1/2 Mi. Rd. 0.522			
@ 26 1/2 Mi. Rd.	North	1	Erect W1-7 (48")
@ 26 1/2 Mi. Rd.	South		R1-1 (30")
@ 26 1/2 Mi. Rd.	South		W3-1 (30")
0.538	North	1	Remove R2-1 (24")(25 MPH)
0.539	South	1	Relocated R2-1 (24")(25 MPH)
0.574	North	1	Remove W2-2 (30")L
0.631	North	1	Remove R2-1 (24")(25 MPH)
0.650	South	1	Remove R2-1 (24")(25 MPH)
0.742	North		R2-1 (24")(25 MPH)

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Sheet 5 of

FAS 905 (Anderson Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.742	South		R2-1 (24")(25 MPH)
0.783	North	1	Replace R7-1 (12")
0.843	North	1	Remove R2-1 (24")(25 MPH)
0.913	North		W1-6 (48")
0.937	South	1	Remove W2-2 (30")L
0.960	South	1	Replace R2-1 (24")(25 MPH) & "ENDS" panel w/R2-3a (24")
0.960	North		R2-1 (24")(25 MPH)
@ 27 Mi. Rd.	North		R1-1 (30")
@ 27 Mi. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
@ 27 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 27 Mi. Rd.	North	3	Replace (1) G3-11 "COUNTRY CLUB WAY" w/(1) D3-1
@ 27 Mi. Rd.	South	1	Erect W1-7 (48")
⊕ 27 Mi. Rd. 0.992			
⊕ 27 Mi. Rd. 0.000			
0.065	North	1	Replace W1-1 (30")L w/W1-5 (30")L
0.148	North		W2-2 (30")R
0.259	North	1	Replace R2-1 (24")(25 MPH) & R2-4-24 w/R2-5c (24")
0.615	South	1	Replace W2-4 (30") w/W2-5 (30")
0.635	South	1	Erect W3-2 (36")
⊕ Y Intersection 0.729			
@ Anderson Rd. (N. Ext.)	North	1	Erect R1-2 (36") facing northeast
@ 27 1/2 MI. Rd. on (N. Ext.)	South	1	Erect R1-2 (36") facing southwest
@ 27 1/2 MI. Rd. on (S. Ext.)	South	1	Erect R1-2 (36") facing northwest
⊕ 27 1/2 MI. Rd. 0.764			
@ 27 1/2 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1

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FAS 905 (S Drive N)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 27 1/2 MI. Rd.	West		WI-7 (48")
⊕ 27 1/2 MI. Rd. 0.000			Blacktop
@ 27 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 27 1/2 MI. Rd.	North		RI-1 (30")
0.150	North		W3-1 (36")
0.318	South	1	Erect WI3-1 (18")(35 MPH) on WI-4 (30")L
0.480	South	1	Erect WI-6 (48") facing west
0.485	South	1	Erect WI-6 (48") facing northeast
0.576	North		WI-6 (48")
0.586	North		WI-6 (48")
0.718	North	1	Erect WI3-1 (18")(35 MPH) on WI-4 (30")L
1.372	South	1	Replace WI-4 (30")R w/WI-2 (30")R
1.637	South		W2-1 (30")
1.670	South	1	Erect WI-2 (30")L
1.681	North	1	Erect WI-2 (30")L
@ 29 1/2 MI. Rd.	North		RI-1 (30")
@ 29 1/2 MI. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
⊕ 29 1/2 MI. Rd. 1.799			
⊕ 29 1/2 MI. Rd. 0.000			
@ 29 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 29 1/2 MI. Rd.	South		RI-1 (30")
@ 29 1/2 MI. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.142	North	1	Replace WI-4 (30")R w/WI-2 (30")R
0.147	South	1	Replace WI-1 (30")R & Erect WI3-1 (18")(30 MPH)
0.156	North	1	Remove W2-1 (30")
0.312	North	1	Erect WI-6 (48") facing west

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County Calhoun

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Route FAS 905 (R Drive N.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	1	1			1
R1-1 (30")	15				
R1-2 (36")	4		1	3	4
R2-1 (24") (25 MPH)	6				
R2-3a (24")	2			2	2
R2-5c (24")	2			2	2
R7-1 (12")	2	2			2
W1-1 (30")R	2	1			1
W1-1 (30")L	2	2			2
W1-2 (30")R	2			2	2
W1-2 (30")L	2			2	2
W1-4 (30")L	2				
W1-5 (30")L	2			1	1
W1-6 (48")	7			4	4
W1-7 (48")	7	1		4	5
W2-1 (30")	3	1			1
W2-2 (30")R	2				
W2-2 (30")L	1				
W2-3 (30")R	2			2	2
W2-3 (30")L	1			1	1
W2-5 (30")	1			1	1
W3-1 (30")	2	1			1
W3-1 (36")	11	1		9	10

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Sheet 1 of 4

FAS 906 (20 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ Partello Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ Partello Rd.	West	RI-1 (30")
@ G Dr. N.	West	RI-1 (30")
@ G Dr. N.	West	1 Replace W3-1 (30") w/W3-1 (36")
☉ G Dr. N. 0.026		
@ G Dr. N.	East	1 Replace RI-1 (24")
	West	1 Relocated W3-1 (36")
	West	1 Replace W3-1 (30") w/W3-1 (36") & relocate 170' S.
@ I Dr. N.	West	1 Replace RI-1 (24")
@ I Dr. N.	West	W3-1 (30")
☉ I Dr. N. 1.041		
☉ I Dr. N. 0.000		
@ I Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
	West	W2-2 (30")R
	East	1 Replace W1-2 (30")R w/W1-1 (30")R & erect W13-1 (18") (25 MPH)
☉ 20 Mi. Rd. (Ext.) 0.457		
@ 20 Mi. Rd. (Ext.)	West	2 Replace RI-2-36 w/RI-2 (36")
@ 20 Mi. Rd. (Ext.)	East	3 Replace (2) G3-11 w/(2) D3-1
☉ J Dr. N. 0.509		
	FAS 906 (J Drive N.)	
@ 20 Mi. Rd.	North	W3-2 (30")
☉ 20 Mi. Rd. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ 20 Mi. Rd.	North	1 Erect RI-2 (36")
@ 20 Mi. Rd. (Ext.)	South	2 Replace RI-2-36 w/RI-2 (36")
☉ 20 Mi. Rd. (Ext.) 0.042		
	North	1 Replace W1-2 (30")L w/W1-1 (30")L & Erect W13-1 (18") (25 MPH)

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WORK SHEET

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FAS 906 (J Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.341	South	1	Replace W1-2 (30")L w/W1-1 (30")L & erect W13-1 (18")(25 MPH)
@ 20 1/2 Mi. Rd.	East	1	Replace W12-1 (24") w/R4-7 (24") & Plaque (24")
⊕ 20 1/2 Mi. Rd. 0.464			
⊕ 20 1/2 Mi. Rd. 0.000			
@ 20 1/2 Mi. Rd.	East	1	Replace R1-2-36 w/R1-2 (36")
@ 20 1/2 Mi. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
	FAS 906 (20 1/w Mile Rd.)		
⊕ J Dr. N.			Blacktop - Yellow Skip - No Pass Yellow
0.181	West		Replace W2-4 (30") w/W2-2 (30")R
0.210	West	1	Replace W1-2 (30")R w/W1-1 (30")R & Erect W13-1 (18")(25 MPH)
0.881	East		W2-2 (30")L
@ L Dr. N.	East		W1-7 (48")
@ L Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ L Dr. N.	West	1	Replace R1-2-36 w/R1-1 (24")
@ L Dr. N.	West	1	Replace W2-4 (30") w/W3-1 (30")
⊕ L Dr. N. 1.013			
⊕ L Dr. N. 0.000			
0.131	West	1	Replace W2-2 (30")R & relocate 50' N.
0.140	West	1	Relocated W2-2 (30")R
0.369	East		W2-2 (30")R
⊕ M Dr. N. 0.515			
⊕ N Dr. N. 0.000			
0.054	East	1	Erect W13-1 (18")(20 MPH) on W1-1 (30")R
0.147	West	1	Remove W2-2 (30")R
0.348	South	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")L
0.395	North	1	Erect W13-1 (18")(20 MPH) on W1-1 (30")L

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Sheet 3 of 4

FAS 906 (20 1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.566	East	1	Replace W2-2 (30")R
0.660	West	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")R
@ O Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
∅ O Dr. N. 0.714			
@ O Dr. N.	East		R1-1 (24")
@ O Dr. N.	East		W3-1 (30")
0.899	West		W2-2 (30")L
1.078	East		W2-2 (30")L
1.145	East	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
	FAS 906 (21 Mile Rd.)		
@ P Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ P Dr. N.	West		R1-1 (30")
@ P Dr. N.	West		W3-1 (36")
∅ P Dr. N. 1.223			
∅ P Dr. N. 0.000			
0.150	North		W2-2 (30")R
0.198	South	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")L
0.279	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.539	West	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")R
0.362	East		W1-2 (30")L
0.908	West		W1-2 (30")R
0.945	East		W3-1 (36")
@ R Dr. N.	East	1	Replace R1-1 (24")
∅ R Dr. N. 1.093			
∅ R Dr. N. 0.000			
@ R Dr. N.	West	1	Replace R1-1 (30")

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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Sheet 1 of 1

Route FAS 906 (20 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	6	4		1	5
R1-1 (30")	6	1			1
R1-2 (36")	4		2	2	4
R4-7 (24") & Plaque (24")	1			1	1
W1-1 (30")R	5			2	2
W1-1 (30")L	5			2	2
W1-2 (30")R	2				
W1-2 (30")L	2				
W1-7 (48")	1				
W2-1 (30")	2				
W2-2 (30")R	6	2		1	3
W2-2 (30")L	3				
W3-1 (30")	3			1	1
W3-1 (36")	7			4	4
W3-2 (30")	1				
W13-1 (18")(20 MPH)	2			2	2
W13-1 (18")(25 MPH)	8			8	8
W13-1 (18")(35 MPH)	2			2	2
D3-1	14			14	14
TOTAL	80	7	2	40	49

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WORK SHEET

Sheet 1 of 5

FAS 907 (26 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.000 @ E. Michigan Ave.			Blacktop - Yellow Skip - No Pass Yellow
@ E. Michigan Ave.	West		R1-1 (30")
0.047	East	1	Remove "SLOW" sign
0.127	East	2	Replace W9-1-30 w/S1-1 (36")
0.173	East	1	Erect Type III O.M. (12"x36")L
0.215	East	1	Erect Type III O.M. (12"x36")R
0.580	West	2	Replace W9-1-30 w/S1-1 (36")
0.603	West	1	Remove "SLOW" sign
1.089	West	1	Remove W9-1-30
@ I-94			
@ E Dr. N.			
@ E Dr. N.			
@ E Dr. N.	West		W1-7 (48")
@ E Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ E Dr. N.	East		R1-1 (24")
@ E Dr. N.	East	1	Replace W3-1 (36")
0.254	East		W2-2 (30")L
0.271	West	1	Erect Type III O.M. (12"x36")R
0.331	West	1	Erect Type III O.M. (12"x36")L
@ F Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ F Dr. N.	West		R1-1 (30")
@ F Dr. N.	West	1	Replace W3-1 (30") w/W3-1 (36")
@ F Dr. N.			
0.551	West		W2-2 (30")R
0.551	East	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")R
0.682	West	1	Erect Type III O.M. (12"x36")R

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Sheet 2 of 5

FAS 907 (26 Mile Rd.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.713	West	1	Erect Type III O.M. (12"x36")L
0.877	West	1	Erect W13-1 (18")(40 MPH) on W1-2 (30")L
0.919	East	1	Replace Type III O.M. (24"x48")L
0.919	West	1	Replace Type III O.M. (24"x48")R
0.926	East	1	Replace Type III O.M. (24"x48")R
0.926	West	1	Replace Type III O.M. (24"x48")L
1.267	East	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
1.306	East		W2-1 (30")
1.388	East	1	Remove "SLOW" sign
1.419	East		W1-6 (48")
⊕ H Dr. N. 1.457			
⊕ H Dr. N. 0.000			
0.129	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.149	West		W2-1 (30")
0.874	East		W2-1 (30")
@ J Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ J Dr. N.	West		R1-1 (30")
@ J Dr. N.	West	1	Replace W3-1 (30") w/W3-1 (36")
⊕ J Dr. N. 1.020			
⊕ J Dr. N. 0.000			
@ J Dr. N.	East		R1-1 (30")
@ J Dr. N.	East	1	Replace W3-1 (30") w/W3-1 (36")
0.146	West		W2-1 (30")
0.875	East	1	Replace W2-4 (30") w/W3-1 (36")
0.944	West	1	Erect Type III O.M. (12"x36")R
0.975	West	1	Erect Type III O.M. (12"x36")L

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Sheet 3 of

FAS 907 (26 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ L Dr. N.	East	RI-1 (24")
@ L Dr. N.	East	WI-7 (48")
⊕ L Dr. N. 1.020		
⊕ L Dr. N. 0.000		
@ L Dr. N.	West	WI-7 (48")
@ L Dr. N.	West	RI-1 (30")
0.152	West	W3-1 (36")
0.166	East	WI-2 (30")R
0.350	East	WI-2 (30")L
0.467	West	WI-2 (30")L
0.685	West	WI-2 (30")R
0.854	East	I Replace WI-4 (30")L w/WI-5 (30")L & Erect W13-1 (18")(35 MPH)
1.075	East	I Remove WI-2 (30")L
1.100	West	I Remove WI-2 (30")R
1.190	West	I Remove R2-1 (12")(25 MPH)
1.208	East	Type III O.M. (12"x36")L
1.208	West	Type III O.M. (12"x36")R
1.225	West	Type III O.M. (12"x36")L
1.245	East	Type III O.M. (12"x36")R
1.334	East	I Erect W13-1 (18")(15 MPH) on WI-1 (30")R
1.374	West	I Replace WI-2 (30")R w/WI-5 (30")R & Erect W13-1 (18")(35 MPH)
1.434	South	I Replace WI-7 (48") w/WI-6 (48")
@ M Dr. N.	South	3 Replace (?) G3-11 w/ (?) D3-1
@ M Dr. N.	South	RI-1 (30")
@ M Dr. N.	South	I Replace W2-4 (30") w/W3-1 (30")
⊕ M Dr. N. 1.435		

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Sheet 4 of 5

FAS 907 (26 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
Q M Dr. N. 0.000		
0.002	West	1 Replace W1-7 (48") w/W1-6 (48")
0.148	West	1 Replace W1-1 (30")L & Erect W13-1 (18")(15 MPH)
0.665	East	1 Replace W2-2 (30")L
@ P Dr. N.	West	3 Replace (2) G3-11 w/(2) D3-1
@ P Dr. N.	West	R1-1 (24")
@ P Dr. N.	West	W3-1 (30")
Q P Dr. N. 0.856		
Q P Dr. N. 0.000		
0.055	East	W2-2 (30")R
0.150	West	1 Replace W2-2 (30")R
Q Q Dr. N. 0.201		
@ Q Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
@ Q Dr. N.	East	R1-1 (30")
@ Q Dr. N.	East	W3-1 (30")
0.352	West	W2-2 (30")L
0.568	East	W2-2 (30")R
Q Anderson Rd. 0.716		
Q R Dr. N. 0.000		
0.076	West	1 Remove "SLOW" sign
0.142	West	1 Relocated W2-2 (30")R
0.177	West	1 Relocate W2-2 (30")R 185' S.
0.361	East	W2-2 (30")R
@ S Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
Q S Dr. N. 0.507		
@ S Dr. N.	East	R1-1 (24")

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET





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Sheet 1 of 2

Route EAS 907 (26 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
PI-1 (24")	5				
RI-1 (30")	9				
WI-1 (30")R	1				
WI-1 (30")L	1	1			1
WI-2 (30")R	4				
WI-2 (30")L	4				
WI-5 (30")R	1			1	1
WI-5 (30")L	1			1	1
WI-6 (48")	3			2	2
WI-7 (48")	3				
W2-1 (30")	6				
W2-2 (30")R	6	1			1
W2-2 (30")L	4	1			1
W3-1 (30")	5			1	1
W3-1 (36")	8	1		6	7
W13-1 (18")(15 MPH)	2			2	2
W13-1 (18")(35 MPH)	4			4	4
W13-1 (18")(40 MPH)	2			2	2
Type  O.M. (12"x36")R	6			4	4
Type  O.M. (12"x36")L	6			4	4
Type  O.M. (24"x48")R	2	2			2
Type  O.M. (24"x48")L	2	2			2
SI-1 (36")	2		2		2

WORK SHEET

FAS 908 (N Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ 7 MI. Rd. 0.000		Blacktop-Yellow Skip-No Pass Yellow
@ 7 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 7 MI. Rd.	North	RI-1 (30")
0.146	North	1 Replace W3-1 (30") w/W3-1 (36")
0.626	South	W2-2 (30")R
⊙ 7 1/2 MI. Rd. 0.772		
⊙ 7 1/2 MI. Rd. 0.000		
@ 7 1/2 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 7 1/2 MI. Rd.	South	RI-1 (24")
@ 7 1/2 MI. Rd.	South	1 Remove W2-4 (30")
0.146	North	W2-2 (30")L
0.367	South	W2-2 (30")L
@ 8 1/2 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 8 1/2 MI. Rd.	North	RI-1 (24")
@ 8 1/2 MI. Rd.	North	W3-1 (30")
⊙ 8 1/2 MI. Rd. 0.515		
0.663	North	W2-2 (30")R
0.900	South	Type III O.M. (24"x48")L
0.900	North	Type III O.M. (24"x48")R
0.906	South	Type III O.M. (24"x48")R
0.906	North	Type III O.M. (24"x48")L
1.139	South	W2-1 (30")
@ 9 MI. Rd.	North	1 Replace RI-1 (24")
@ 9 MI. Rd.	North	W3-1 (30")
⊙ 9 MI. Rd. 1.290		
⊙ 9 MI. Rd. 0.000		

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Sheet 7 of 9

FAS 908 (N. Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 9 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 9 Mi. Rd.	South		R1-1 (24")
@ 9 Mi. Rd.	South		W3-1 (30")
0.148	North		W2-1 (30")
0.368	South		W2-1 (30")
@ 9 1/2 Mi. Rd.	North		R1-1 (30")
@ 9 1/2 Mi. Rd.	North	1	Replace W2-1 (30") w/W3-1 (30")
⊔ 9 1/2 Mi. Rd. 0.515			
⊔ 9 1/2 Mi. Rd. 0.000			
@ 9 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 9 1/2 Mi. Rd.	South	1	Replace R1-1 (30")
@ 9 1/2 Mi. Rd.	South		W3-1 (30")
0.149	North		W2-1 (30")
1.106	South		Type III O.M. (12"x36")L
1.106	North		Type III O.M. (12"x36")R
1.134	South		Type III O.M. (12"x36")R
1.134	North		Type III O.M. (12"x36")L
1.138	South	2	Replace W3-2 (30") w/W3-2 (36")
1.164	South	1	Remove W2-2 (30")R
@ 11 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
⊔ 11 Mi. Rd. 1.284			
⊔ 11 Mi. Rd. 0.000			
@ 11 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.145	North	2	Replace W3-2 (30") w/W3-2 (36")
0.880	South	1	Remove W2-2 (30")L
1.005	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R

WORK SHEET

FAS 908 (N Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ 12 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 12 MI. Rd.	North	1 Erect RI-1 (24")
Q 12 MI. Rd. 1.020		
Q 12 MI. Rd. 0.000		
0.118	North	1 Relocate W2-2 (30")R 125' E.
0.142	North	1 Relocated W2-2 (30")R
0.246	South	1 Replace W2-4 (30")
0.286	North	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
@ 12 MI. Rd.	South	2 Replace RI-2-36 w/RI-2 (36")
@ 12 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
Q 12 MI. Rd. 0.392		
	FAS 908 (12 Mile Rd.)	
Q N Dr. S. 0.000		Blacktop-Yellow Skip-No Pass Yellow
0.131	West	1 Relocate W2-2 (30")R 60' N.
0.142	West	1 Relocated W2-2 (30")R
0.144	East	1 Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.151	West	1 Remove W1-2 (30")L
0.423	West	1 Replace W1-2 (24")R w/W1-2 (30")R & Erect W13-1 (18")(35 MPH)
0.984	East	1 Erect W13-1 (18")(35 MPH) on W1-5 (30")L
1.238	East	W2-2 (30")L
Q 13 MI. Rd. 1.399		
	FAS 908 (L Drive S.)	
Q 13 MI. Rd. 0.000		Blacktop-Yellow Skip-No Pass Yellow
@ 13 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 13 MI. Rd.	North	1 Replace RI-2-36 w/RI-1 (30")
@ L Dr. S.	South	2 Replace RI-2-36 w/RI-2 (36")

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Sheet 4 of 9

FAS 908 (L Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ L Dr. S. 0.106			
0.190	North		W2-4 (30")
0.227	North	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.589	South	1	Remove W2-2 (30")L
@ 12 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 13 1/2 MI. Rd.	North	1	Replace R1-2-36 w/R1-1 (24")
@ 13 1/2 MI. Rd.	North	1	Remove W2-4 (30")
⊕ 13 1/2 MI. Rd. 0.737			
⊕ 13 1/2 MI. Rd. 0.000			
0.143	North		W2-2 (30")R
0.401	South		W2-2 (30")R
@ 14 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 14 MI. Rd. 0.587			
⊕ 14 MI. Rd. 0.000			
0.096	South		W2-2 (30")L
0.143	North		W2-2 (30")L
0.202	South	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
@ 14 1/2 MI. Rd.	North	1	Replace R1-2-36 w/R1-1 (24") & relocate 100' S.
@ 14 1/2 MI. Rd.	North	1	Replace W2-4 (30") w/W3-1 (30")
⊕ 14 1/2 MI. Rd. 0.243			
@ 14 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.357	North		W2-2 (30")R
0.532	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.533	East		W1-2 (30")R
0.924	North		W1-2 (30")L
0.973	South		W1-2 (30")L

WORK SHEET

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Sheet 5 of 9

FAS 908 (L Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.119	South		W2-2 (30")R
1.186	East		W1-2 (30")L
☉ Moore Rd. (Ext.) 1.250			
@ Moore Rd. (Ext.)	East	1	Replace RI-2-36 w/FI-2 (36")
1.400	West	1	Replace W1-2 (30")R
@ Moore Rd.	East	3	Replace (?) G3-11 w/(?) D3-1
@ Moore Rd.	East	2	Replace RI-2-36 w/RI-2 (36")
☉ Moore Rd. 1.650			
	FAS 908 (Moore Rd.)		
☉ L Dr. S. 0.000			Blacktop-Yellow Skip-No Pass Yellow
0.103	East		W1-2 (30")R
0.150	West		W1-2 (30")R
0.337	South	2	Replace W12-1-21 (45 MPH) w/W13-1 (18") (45 MPH) on W1-4 (30")L
0.407	North		W1-2 (30")L
0.483	South		W1-6 (48")
0.546	East		R4-1 (24")
0.546	West		W1-2 (30")R
0.600	West		W1-6 (48")
0.627	West		W1-6 (48")
@ 15 1/2 Mi. Rd.	North	3	Erect (?) D3-1
@ 15 1/2 Mi. Rd.	North		RI-1 (30")
@ 15 1/2 Mi. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
☉ 15 1/2 Mi. Rd. 0.659			
0.693	South		W1-2 (36")R
0.709	North		W1-6 (48")
☉ I-69 0.762			

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WORK SHEET

Sheet 6 of 9

FAS 908 (Moore Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION	
0.804	South		R4-2 (24")	
0.841	North		W1-6 (48")	
0.845	North		W1-6 (48")	
0.856	North	2	Replace W12-1-21 (45 MPH) w/W13-1 (18") (45 MPH) on W1-4 (30")L	
0.926	North		R4-1 (24")	
1.008	North		W1-2 (36")L	
1.784	South		W3-1 (36")	
	FAS 908 (J Drive S.)			
@ Old 27	South	3	Replace (?) G3-11 w/(?) D3-1	
@ Old 27	South		R1-1 (36")	
⊘ Old 27	1.932			
	FAS 908 (L Drive S.)			
⊘ Old 27	0.000		Blacktop-Yellow Skip-No Pass Yellow	
@ Old 27	South	3	Replace (?) G3-11 w/(?) D3-1	
@ Old 27	North		R1-1 (30")	
	0.153	North	1	Replace W3-1 (30") w/W3-1 (36")
	1.297	South		W2-1 (30")
⊘ 18 1/2 Mi. Rd.	1.444			
⊘ 18 1/2 Mi. Rd.	0.000			
@ 18 1/2 Mi. Rd.	South	3	Replace (?) G3-11 w/(?) D3-1	
	0.148	North		W2-1 (30")
	0.366	South		W2-2 (30")L
@ 19 Mi. Rd.	South			W1-7 (48")
@ 19 Mi. Rd.	North	3	Replace (?) G3-11 w/(?) D3-1	
@ 19 Mi. Rd.	North			R1-1 (24")
@ 19 Mi. Rd.	North	1	REmove W2-4 (30")	

WORK SHEET

FAS 908 (L Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ 19 MI. Rd. 0.509			
☉ 19 MI. Rd. 0.000			
0.147	North		W2-2 (30"R)
0.398	South		Type III O.M. (24"x48")L
0.398	North		Type III O.M. (24"x48")R
0.402	South		Type III O.M. (24"x48")R
0.402	North		Type III O.M. (24"x48")L
1.125	South		W2-1 (30")
@ 20 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
☉ 20 MI. Rd. 1.275			
☉ 20 MI. Rd. 0.000			
@ 20 MI. Rd.	South		RI-1 (30")
☉ 20 MI. Rd.	South	1	Replace W2-1 (30") w/W3-1 (30")
0.146	North		W2-1 (30")
0.375	South	1	Remove W2-2 (30")R
☉ 20 1/2 MI. Rd. 0.519			
@ 20 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 20 1/2 MI. Rd.	South	1	Replace RI-2-36 w/RI-1 (24")
@ 20 1/2 MI. Rd.	South	1	Replace W3-2 (30") w/W3-1 (30")
0.668	North		W2-2 (30")L
0.880	South		W2-2 (30")L
@ 21 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
☉ 21 MI. Rd.	North	1	Replace W2-4 (30") w/W3-1 (30")
☉ 21 MI. Rd. 1.026			
☉ 21 MI. Rd. 0.000			
@ 21 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1

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WORK SHEET

Sheet 8 of 9

FAS 908 (L Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.146	North		W2-2 (30")R
0.154	South		Type III O.M. (24"x48")L
0.154	North		Type III O.M. (24"x48")R
0.161	South		Type III O.M. (24"x48")R
0.161	North		Type III O.M. (24"x48")L
0.590	South	1	Remove W2-2 (30")R
@ 22 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊙ 22 Mi. Rd. 0.766			
⊙ 22 Mi. Rd. 0.000			
0.150	North		W2-2 (30")L
0.866	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 23 Mi. Rd.	South	1	Replace R1-1 (30")
@ 23 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊙ 23 Mi. Rd. 1.016			
⊙ 23 Mi. Rd. 0.000			
@ 23 Mi. Rd.	North		R1-1 (30")
0.148	North	1	Replace W3-1 (30") w/W3-1 (36")
0.366	South	1	Remove W2-2 (30")L
@ 23 1/2 Mi. Rd.	North		R1-1 (30")
@ 23 1/2 Mi. Rd.	North	1	Remove W3-1 (30")
⊙ 23 1/2 Mi. Rd. 0.511			
⊙ 23 1/2 Mi. Rd. 0.000			
@ 23 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.150	North	1	Replace W2-2 (30")R
0.775	South		W2-2 (30")R
⊙ 24 1/2 Mi. Rd. 0.921			

WORK SHEET

FAS 908 (L Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ 24 1/2 MI. Rd. 0.000			
@ 24 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 24 1/2 MI. Rd.	North		W1-7 (48")
@ 24 1/2 MI. Rd..	South		RI-1 (30")
@ 24 1/2 MI. Rd.	South	1	Replace W3-1 (36")
0.152	North		W2-2 (30")L
0.701	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 25 1/2 MI. Rd.	South		RI-1 (30")
@ 25 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 25 1/2 MI. Rd. 0.854			
⊕ 25 1/2 MI. Rd. 0.000			
@ 25 1/2 MI. Rd.	North		RI-1 (30")
0.146	North	1	Relocated W3-1 (36")
0.165	North	1	Replace W3-1 (30") w/W3-1 (36") & relocate 100' W.
0.520	South		W2-2 (30")L
@ 26 MI. Rd.	North		RI-1 (24")
@ 26 MI. Rd.	North		W3-1 (30")
⊕ 26 MI. Rd. 0.671			
⊕ 26 MI. Rd. 0.000			
@ 26 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.152	North		W2-2 (30")R
0.815	South	1	Replace W1-1 (36")R
0.936	South		R3-2a (24")
@ M-60	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ M-60 0.995			

QUANTITY SHEET

County Calhoun

Sheet 1 of 2

Route FAS 908 (N Drive S.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	11	1		5	6
RI-1 (30")	13	2		1	3
RI-1 (36")	1				
RI-2 (36")	4		3	1	4
R3-2a (24")	1				
R4-1 (24")	2				
R4-2 (24")	1				
WI-1 (36")R	1	1			1
WI-2 (30")R	9	1		1	2
WI-2 (30")L	7				
WI-2 (36")R	1				
WI-2 (36")L	1				
WI-4 (30")L	2				
WI-5 (30")L	1				
WI-6 (48")	6				
WI-7 (48")	2				
W2-1 (30")	8				
W2-2 (30")R	13	1			1
W2-2 (30")L	11				
W2-4 (30")	2	1			1
W3-1 (30")	10			5	5
W3-1 (36")	9	1		7	8
W3-2 (36")	2		2		2

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WORK SHEET

Sheet 1 of 7

FAS 909 (23 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ M-60 0.000		Blacktop-Yellow Skip-No Pass Yellow
@ M-60	West	3 Replace (2) G3-11 w/(2) D3-1
@ N Dr. S.	West	RI-1 (24")
@ N Dr. S.	West	1 Replace W2-4 (30") w/W3-1 (30")
☉ N Dr. S. 0.057		
@ N Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
	West	1 Remove W2-2 (30")R
	East	W2-2 (30")R
☉ M Dr. S. 0.574		
@ M Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
@ M Dr. S.	East	1 Replace RI-1 (24")
@ M Dr. S.	East	1 Replace W3-1 (36")
	West	W2-2 (30")L
	East	W2-1 (30")
☉ L Dr. S. 1.037		
☉ L Dr. S. 0.000		
	West	W2-1 (30")
	East	1 Erect W13-1 (18")(40 MPH) on W1-2 (30")L
	East	1 Replace W1-6 (48")
	East	1 Replace W1-6 (48")
	West	1 Relocated W1-2 (30")R & W13-1 (18")(40 MPH)
	West	1 Erect W13-1 (18") (40 MPH) on W1-2 (30")R & relocate 110' E.
	East	1 Erect W13-1 (18")(50 MPH) on W1-2 (30")R
	East	1 Remove W2-2 (30")L
@ J Dr. S.	West	3 Replace (2) G3-11 w/(2) D3-1
@ J Dr. S.	West	2 Replace RI-2-36 w/PI-2 (36")

WORK SHEET

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Sheet 2 of 7

FAS 909 (23 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ J Dr. S.	West		W2-4 (30")
⊕ J Dr. S. 1.261			
⊕ J Dr. S. 0.000			
	FAS 909 (22 1/2 Mile Rd.)		
@ J Dr. S.	East		"NO DUMPING" (24")
0.034	East		"NO DUMPING" (24")
0.165	West		W2-2 (30")R
0.197	East		W1-2 (30")L
0.242	West	1	Erect W13-1 (18")(50 MPH) on W1-2 (30")L
0.347	East		W2-2 (30")L
@ I Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-11
@ I Dr. S.	West	1	Replace R1-1 (30")
@ I Dr. S.	West	1	Replace W2-4 (30") w/W3-1 (30")
⊕ I Dr. S. 0.519			
0.553	West		W1-2 (30")R
0.669	West		W2-2 (30")R
0.908	East		W2-1 (30")
@ H Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ H Dr. S.	West		R1-1 (30")
@ H Dr. S.	West	1	Replace W3-1 (36")
⊕ H Dr. S. 1.053			
⊕ H Dr. S. 0.000			
@ H Dr. S.	East		R1-1 (30")
@ H Dr. S.	East	1	Replace W3-1 (30") w/ W3-1 (36")
0.148	West		W2-1 (30")
0.309	East	1	Relocated R2-5c (24")

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WORK SHEET

Sheet 3 of

FAS 909 (22 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.371	East		W1-2 (30")L
0.394	East	2	Replace R2-1 (24")(35 MPH) U R2-4-24 w/R2-5c (24") & relocate 450' S.
0.593	East	1	Relocated R2-1 (24")(35 MPH)
0.593	West	1	Relocated R2-3a (24")
0.640	West	2	Replace R2-1 (24")(35 MPH) & "ENDS" panel w/R2-3a (24") & relocate 250' S.
0.642	East	1	Relocate R2-1 (24")(35 MPH) 260' S.
0.695	West		W1-2 (30")R
⊕ S. Eckford Limits 0.749			
0.870	East	2	Replace W9-1-30 w/S1-1 (30")
⊕ Co. Rd.			
⊕ Co. Rd.	East		R1-1 (24")
0.912	East		W1-2 (30")R
⊕ Co. Rd.			
⊕ Co. Rd.	East		R1-1 (24")
⊕ Co. Rd.			
⊕ Co. Rd.	East		R1-1 (24")
1.020	East		R2-1 (24")(35 MPH)
1.022	West		R2-1 (24")(35 MPH)
1.040	West	2	Replace W9-1-30 w/S1-1 (30")
⊕ F Dr. S. (22 Mi. Rd.)			
1.093			
	FAS 909 (22 Mile Rd.)		
⊕ E Dr. S.			Blacktop-White Skip-No Pass Yellow
0.152	West	1	Remove W2-2 (30")L
0.362	East	1	Remove W2-1 (30")
⊕ D Dr. S.	East	3	Replace (?) G3-11 w/(?) D3-1
⊕ D Dr. S.	West		R1-1 (30")

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Sheet 4 of 7

FAS 909 (22 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ D Dr. S.	West	1	Replace W3-1 (30") w/W3-1 (36")
⊕ D Dr. S. 0.509			
@ D Dr. S.	East		R1-1 (24")
@ D Dr. S.	East	1	Replace W3-1 (30") w/W3-1 (36")
0.652	West		W2-1 (30")
1.372	East		W2-1 (30")
1.389	East	2	Replace W9-1-30 w/S1-1 (36")
⊕ B Dr. S. 1.534			
⊕ B Dr. S. 0.000			
@ B Dr. S.	East		R1-1 (30")
@ B Dr. S.	East	1	Erect W3-1 (36")
0.146	West	1	Remove W2-1 (30")
0.178	West	2	Replace W9-1-30 w/S1-1 (36")
0.852	East	1	Replace W3-1 (30") w/W3-1 (36")
@ Division Dr.	East		R1-1 (30")
⊕ Division Dr. 0.999			
	FAS 909 (23 Mile Rd.)		
⊕ Division Dr. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ Division Dr.	West		R1-1 (30")
0.152	West	1	Replace W2-1 (30") w/W3-1 (36")
0.684	East	1	Relocated R2-5c (24")
0.775	East	2	Replace R2-1 (24")(35 MPH) & R2-4-24 w/ R2-5c (24") & relocate 480' S.
0.883	East		W2-1 (30")
0.968	East	1	Erect R2-1 (24")(35 MPH)
0.968	West	1	Relocated R2-3a (24")
@ B Dr. N.	West		R1-1 (24")

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WORK SHEET

Sheet 5 of 7

FAS 909 (23 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ B Dr. N.	West		W3-1 (30")
☉ B Dr. N. 1.025			
☉ B Dr. N. 0.000			
@ B Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ B Dr. N.	East	1	Replace RI-1 (24")
@ B Dr. N.	East	1	Replace W3-1 (30") w/W3-1 (36")
0.027	West	2	Replace R2-1 (24")(35 MPH) & "ENDS" panel w/R2-3a (24") & relocate 440' S.
0.044	East		R2-1 (24")(35 MPH)
0.075	West	1	Remove W2-1 (30")
0.360	East	1	Remove R2-1 (24")(35 MPH)
0.466	East		Type III O.M. (24"x48")L
0.466	West		Type III O.M. (24"x48")R
0.478	East		Type III O.M. (24"x48")R
0.478	West		Type III O.M. (24"x48")L
0.522	West	1	Replace R2-1 (24")(35 MPH)
@ Co. Rd.	West	1	Replace RI-1 (24")
☉ Co. Rd. 0.545			
0.573	East	1	Erect R2-1 (24")(35 MPH)
0.598	East		W10-1 (36")
@ Co. Rd.	West	1	Replace RI-1 (24")
☉ Co. Rd. 0.604			
@ Co. Rd.	East	1	Replace RI-1 (24")
☉ Co. Rd. 0.650			
@ Co. Rd.	East		RI-1 (24")
0.662	East	2	Replace W10-2 w/RI5-1 & "2 TRACKS" w/RI5-2
0.670	West	2	Replace W10-2 w/RI5-1 & "2 TRACKS" w/RI5-2

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Sheet 6 of 7

FAS 909 (23 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.727	West	W10-1 (36")
@ Co. Rd.	West	R1-1 (24")
☉ Co. Rd. 0.734		
0.792	East	1 Remove R2-1 (24") (35 MPH)
0.819	East	W3-1 (36")
0.825	West	1 Remove "SLOW" sign
0.850	East	1 Remove "SPEED ZONE ENDS" sign
0.852	West	1 Remove R2-4-24 from R2-1 (24") (35 MPH)
@ Michigan Ave.	East	R1-1 (36")
☉ Michigan Ave. 0.933		
	FAS 909 (22 1/2 Mile Rd.)	
@ Michigan Ave.	South	W1-7 (48")
☉ Michigan Ave. 0.000		Blacktop
@ Michigan Ave.	West	1 Replace R1-1 (30")
0.152	West	W3-1 (36")
☉ I-94 0.574		
0.945	East	1 Remove W2-1 (30")
@ F Dr. N.	West	R1-1 (24")
@ F Dr. N.	West	1 Replace W3-1 (30") w/W3-1 (36")
☉ F Dr. N. 1.095		
☉ F Dr. N. 0.000		
☉ F Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
@ F Dr. N.	East	R1-1 (24")
@ F Dr. N.	East	W3-1 (30")
0.152	West	W2-1 (30")
0.876	East	1 Replace W3-1 (36")

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 909 (23 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	15	5			5
R1-1 (30")	9	2			2
R1-1 (36")	1				
R1-2 (36")	1		1		1
P2-1 (24") (35 MPH)	8	1		2	3
R2-3a (24")	2		2		2
R2-5c (24")	2		2		2
R15-1	2		2		2
R15-2	2		2		2
"NO DUMPING" (24")	2				
W1-2 (30")R	5				
W1-2 (30")L	4				
W1-6 (48")	2	2			2
W1-7 (48")	1				
W2-1 (30")	8				
W2-2 (30")R	3				
W2-2 (30")L	2				
W2-4 (30")	1				
W3-1 (30")	4			2	2
W3-1 (36")	13	2		9	11
W10-1 (36")	2				
W13-1 (18") (40 MPH)	2			2	2
W13-1 (18") (50 MPH)	2			2	2

WORK SHEET

FAS 910 (P Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ M-99	West	3	Replace (2) G3-11 w/(2) D3-1
⊕ M-99 0.000			Blacktop - White Skip - No Pass Yellow
0.195	South	1	Remove W2-2 (30")L
@ 25 1/2 Mi. Rd. (N.)	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 25 1/2 Mi. Rd. (N.) 0.341			
0.364	South	1	Remove W2-2 (30")R
0.484	North	1	Remove W2-2 (30")R
⊕ 25 1/2 Mi. Rd. (S.) 0.509			
⊕ 25 1/2 Mi. Rd. (S.) 0.000			
@ 25 1/2 Mi. Rd. (S.)	South	3	Replace (2) G3-11 w/(2) D3-1
@ 25 1/2 Mi. Rd. (S.)	South		R1-1 (30")
@ 25 1/2 Mi. Rd. (S.)	South	1	Remove W3-1 (30")
0.019	South		R12-1 (18")(10 TONS) & "ON BRIDGE AHEAD" (18")
0.123	South	1	Erect R12-1 (18")(10 TONS)
0.127	South	1	Replace Type III O.M. (12"x36")L
0.127	North	1	Replace Type III O.M. (12"x36")R
0.137	South		Type III O.M. (12"x36")R
0.137	North		Type III O.M. (12"x36")L
0.152	North	1	Remove W2-2 (30")L
0.154	North	1	Replace R12-1 (18")(10 TONS)
0.874	South	1	Remove W2-2 (30")R
1.005	North		R12-1 (18")(10 TONS) & "ON BRIDGE AHEAD" (18")
1.014			Begin Yellow Skip
@ 26 1/2 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 26 1/2 Mi. Rd. 1.020			
⊕ 26 1/2 Mi. Rd. 0.000			

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WORK SHEET

Sheet 2 of

FAS 910 (P Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 26 1/2 Mi. Rd.	South		RI-1 (24")
@ 26 1/2 Mi. Rd.	South	1	Remove W3-1 (36")
0.104	South	1	Remove W2-1 (24")
0.150	North		W2-2 (30")L
@ 27 Mi. Rd.	North		RI-1 (30")
@ 27 Mi. Rd.	North	1	Remove W3-1 (30")
⊕ 27 Mi. Rd. 0.254			
@ 27 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
0.345	North	1	Remove "DANGER" sign
0.404	North		W2-1 (30")
1.138			Begin White Skip
1.387	South	1	Remove W2-2 (30")R
@ 28 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ 28 Mi. Rd. 1.534			
⊕ 28 Mi. Rd. 0.000			
@ 28 Mi. Rd.	South	1	Relocate RI-1 (24") 50' N.
@ 28 Mi. Rd.	South	1	Remove W2-4 (30")
0.114	South	1	Remove W2-2 (30")L
0.152	North	1	Remove W2-2 (30")L
@ 28 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 28 1/2 Mi. Rd.	North		RI-1 (24")
@ 28 1/2 Mi. Rd.	North	1	Remove W3-1 (30")
⊕ 28 1/2 Mi. Rd. 0.255			
0.407	North		W2-2 (30")R
0.848	South	1	Erect W13-1 (18") (15 MPH) on W1-1 (30")R
@ 29 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

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Sheet 3 of 3

FAS 910 (P Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ 29 Mi. Rd. 1.018		
@ 29 Mi. Rd.	South	W1-6 (48") facing south
	FAS 910 (29 Mile Rd.)	
☉ P Dr. S. 0.000		Blacktop - White Skip - No Pass Yellow
@ P Dr. S.	East	W1-6 (48") facing west
	0.148 East	1 Erect W13-1 (18")(15 MPH) on W1-1 (30")L
	0.874 West	W2-1 (30")
☉ R Dr. S. 1.021		
@ R Dr. S.	West	1 Replace R1-1 (24")
@ R Dr. S.	West	W3-1 (30")
	FAS 910 (R Drive S.)	
☉ 29 Mile Rd. 0.000		Blacktop - White Skip - No Pass Yellow
@ 29 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 29 Mi. Rd.	South	1 Remove R1-1 (30")
@ 29 Mi. Rd.	South	1 Remove W3-1 (30")
@ 29 Mi. Rd.	North	1 Erect R1-1 (30")
	0.156 North	1 Replace W2-1 (30") w/W3-1 (36")
	0.170 North	1 Remove W1-1 (30")R
	0.669 South	Type III O.M. (12"x36")L
	0.669 North	Type III O.M. (12"x36")R
	0.672 South	Type III O.M. (12"x36")R
	0.672 North	Type III O.M. (12"x36")L
	1.007 North	3 Replace I2-2
@ 30 Mi. Rd.	South	1 Erect R1-3 (12") on R1-1 (24")
@ 30 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
☉ 30 Mi. Rd. 1.018		

County Calhoun

Sheet 1 of 1

Route FAS 910 (P Drive S.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	5	1			1
RI-1 (30")	3			1	1
RI-3 (12")	1			1	1
RI2-1 (18")(10 TONS)	4	1		1	2
"ON BRIDGE AHEAD" (18")	2				
WI-1 (30")R	1				
WI-1 (30")L	1				
WI-6 (48")	2				
W2-1 (30")	2				
W2-2 (30")R	1				
W2-2 (30")L	1				
W3-1 (30")	1				
W3-1 (36")	1			1	1
W13-1 (18")(15 MPH)	2			2	2
Type III O.M. (12"x36")R	4	1		1	1
Type III O.M. (12"x36")L	4	1			1
D3-1	20			20	20
I2-2	1			1	1
TOTAL	56	4		27	31

WORK SHEET

FAS 912 (T Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
E. Tekonsha Lims. 0.000		Blacktop-Yellow Skip-No Pass Yellow
0.000	North	1 Relocated R2-1 (24")(25 MPH)
0.042	North	1 Relocate R2-1 (24")(25 MPH) 220' N.
0.105	North	1 Relocated W1-2 (30")L
0.143	North	1 Relocate W1-2 (30")L 200' W.
0.237	South	W3-2 (30")
0.284	North	1 Relocated R2-5c (24")
0.332	North	2 Replace R2-1 (24")(25 MPH) & R2-4-24 w/ R2-5c (24") & relocate 255' W.
@ Jackson Dr.	South	2 Replace RI-2-36 w/RI-2 (36")
@ Jackson Dr.	South	3 Replace (?) G3-11 w/(?) D3-1
Q Jackson Dr. 0.383		
Q Jackson Dr. 0.000		
@ Jackson Dr.	North	1 Replace RI-2-36 w/RI-1 (30")
0.162	North	1 Replace W3-2 (30") w/W3-1 (36")
0.362	South	1 Remove W2-2 (30")R
Q 17 Mi. Rd. 0.511		
Q 17 Mi. Rd. 0.000		
@ 17 Mi. Rd.	North	3 Replace (?) G3-11 w/(?) D3-1
@ 17 Mi. Rd.	South	RI-1 (24")
0.146	North	1 Remove W2-2 (30")L
0.986	South	W2-2 (30")R
1.108	North	3 Replace "TEKONSHA TOWNSHIP ZONING ORDINANCE ENFORCED" w/I2-2a
Q 18 Mi. Rd. 1.134		
@ 18 Mi. Rd.	North	3 Replace (?) G3-11 w/(?) D3-1
@ 18 Mi. Rd.	South	RI-1 (30")
@ 18 Mi. Rd.	South	1 Remove W2-4 (30")

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WORK SHEET

Sheet 2 of

FAS 912 (T Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.282	North	1	Remove W2-2 (30")L
1.430	South	1	Remove W2-1 (30")
☉ 18 1/2 Mi. Rd. 1.582			
☉ 18 1/2 Mi. Rd. 0.000			
@ 18 1/2 Mi. Rd.	South	1	Replace R1-1 (30")
@ 18 1/2 Mi. Rd.	South	3	Replace (?) G3-11 w/ (?) D3-1
@ 18 1/2 Mi. Rd.	South	1	Remove W3-1 (30")
0.125	North	1	Remove W2-1 (30")
0.366	South	1	Remove W2-1 (30")
@ 19 Mi. Rd.	North	3	Replace (?) G3-11 w/ (?) D3-1
@ 19 Mi. Rd.	North		R1-1 (30")
@ 19 Mi. Rd.	North	1	Remove W2-1 (30")
☉ 19 Mi. Rd. 0.509			
☉ 19 Mi. Rd. 0.000			
0.144	North	1	Remove W2-1 (30")
0.620	South	1	Remove W2-2 (30")L
@ 19 1/2 Mi Rd.	North	3	Replace (?) G3-11 w/ (?) D3-1
@ 19 1/2 Mi. Rd.	North		R1-1 (24")
@ 19 1/2 Mi. Rd.	North		W3-1 (30")
☉ 19 1/2 Mi. Rd. 0.764			
0.880	South	1	Remove W2-2 (30")L
0.918	North		W2-2 (30")R
@ 20 Mi. Rd.	North	3	Replace (?) G3-11 w/ (?) D3-1
@ 20 Mi. Rd.	North		R1-1 (24")
☉ 20 Mi. Rd. 1.032			
☉ 20 Mi. Rd. 0.000			

WORK SHEET

Sheet 3 of 4

FAS 912 (T Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.147	North	1	Remove W2-2 (30")R
0.335	South	1	Remove "DANGER" sign
0.363	South	1	Remove "SLOW" sign
0.517	North	1	Remove "SLOW" sign
0.536	North	1	Remove "DANGER" sign
0.863	South		W2-1 (30")
@ 21 Mi. Rd.	South	3	Replace (?) G3-11 w/(?) D3-1
@ 21 Mi. Rd.	North		R1-1 (24")
@ 21 Mi. Rd.	North		W3-1 (30")
⊕ 21 Mi. Rd. 1.014			
⊕ 21 Mi. Rd. 0.000			
@ 21 Mi. Rd.	South		R1-1 (24")
@ 21 Mi. Rd.	South	1	Replace W3-1 (30")
0.143	North		W2-1 (30")
0.870	South		W3-1 (36")
@ 22 Mi. Rd.	South	1	Erect R1-3 (12") on R1-1 (30")
@ 22 Mi. Rd.	South	3	Replace (?) G3-11 w/(?) D3-1
⊕ 22 Mi. Rd. 1.016			
⊕ 22 Mi. Rd. 0.000			
@ 22 Mi. Rd.	North	1	Erect R1-3 (12") on R1-1 (30")
0.146	North		W3-1 (36")
0.328	North		W2-2 (30")R
@ 22 1/2 Mi. Rd.	South	3	Replace (?) G3-11 w/(?) D3-1
⊕ 22 1/2 Mi. Rd. 0.504			
@ 22 1/2 Mi. Rd.	South	1	Replace R1-1 (30")
@ 22 1/2 Mi. Rd.	South	1	Remove W2-4 (30")

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WORK SHEET

Sheet 4 of

FAS 912 (T Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.652	North		W2-2 (30")L
0.862	South	1	Remove W2-2 (30")R
⊙ 23 MI. Rd. 1.007			
⊙ 23 MI. Rd. 0.000			
@ 23 MI. Rd.	South		RI-1 (24")
@ 23 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1 & relocate to north side
@ 23 MI. Rd.	South		W3-1 (30")
0.144	North	1	Remove W2-2 (30")L
0.360	South	1	Remove W2-2 (30")L
@ 23 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 23 1/2 MI. Rd.	North		RI-1 (24")
@ 23 1/2 MI. Rd.	North		W3-1 (30")
⊙ 23 1/2 MI. Rd. 0.508			
0.178	North	1	Remove W2-2 (30")R
0.173	South		W2-1 (30")
@ 24 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 24 MI. Rd.	North	1	Raise RI-1 (24") to 5' B.H.
@ 24 MI. Rd.	North		W3-1 (30")
⊙ 24 MI. Rd. 1.222			
⊙ 24 MI. Rd. 0.000			
@ 24 MI. Rd.	South		RI-1 (30")
@ 24 MI. Rd.	South	1	Replace W3-1 (30")
0.145	North	1	Remove W2-1 (30")
@ M-99	South	3	Replace (2) G3-11 w/(2) D3-1
⊙ M-99 0.763			

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 1

Route FAS 912 (T Drive S.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	7				
RI-1 (30")	8	3		1	4
RI-2 (36")	1		1		1
RI-3 (12")	2			2	2
R2-1 (24") (25 MPH)	1				
R2-5c (24")	1		1		1
WI-2 (30")L	1				
W2-1 (30")	3				
W2-2 (30")R	3				
W2-2 (30")L	1				
W3-1 (30")	7	2			2
W3-1 (36")	3			1	1
W3-2 (30")	1				
D3-1	28			28	28
I2-2a	1			1	1
TOTAL	68	5	2	33	40

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WORK SHEET

Sheet 1 of 1

FAS 913 (H Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ W. Calhoun Co. Line 0.000		Blacktop - White Skip - No Pass Yellow
0.024	South	3 Erect I2-2
0.367	South	W3-1 (30")
@ 1/2 Mi. Rd.	South	1 Replace R1-1 (24")
@ 1/2 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
⊙ 1/2 Mi. Rd. 0.505		Begin Yellow Skip
@ 1/2 Mi. Rd.	North	1 Replace R1-1 (24")
0.648	North	1 Replace W3-1 (30") w/W3-1 (36")
0.882	South	1 Remove W2-2 (30")L
@ 1 Mi. Rd.	North	R1-1 (24")
⊙ 1 Mi. Rd. 1.020		
⊙ 1 Mi. Rd. 0.000		
@ 1 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
0.146	North	1 Remove W2-2 (30")R
0.367	South	1 Remove W2-1 (30")
@ 1 1/2 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
@ 1 1/2 Mi. Rd.	North	R1-1 (24")
@ 1 1/2 Mi. Rd.	North	1 Replace W3-1 (30") w/W3-1 (36")
⊙ 1 1/2 Mi. Rd. 0.510		
@ 1 1/2 Mi. Rd.	South	R1-1 (24")
@ 1 1/2 Mi. Rd.	South	1 Replace W3-1 (30") w/W3-1 (36")
0.654	North	1 Remove W2-1 (30")
1.383	South	1 Remove W2-1 (30")
@ 2 1/2 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 2 1/2 Mi. Rd.	North	R1-1 (30")
@ 2 1/2 Mi. Rd.	North	1 Replace W3-1 (30") w/W3-1 (36")

WORK SHEET

FAS 913 (H Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
Q 2 1/2 MI. Rd. 1.520			
Q 2 1/2 MI. Rd. 0.000			
@ 2 1/2 MI. Rd.	South		RI-1 (30")
@ 2 1/2 MI. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 2 1/2 MI. Rd. 0.143	North	1	Straighten w2-1 (30")
@ 3 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
Q 3 1/2 MI. Rd. 1.026			
Q 3 1/2 MI. Rd. 0.000			
	0.144	North	W2-2 (30")L
	0.370	South	W2-2 (30")L"
@ 4 MI. Rd.	North		RI-1 (30")
@ 4 MI. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
Q 4 MI. Rd. 0.513			
@ 4 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
	0.654	North	1 Remove W2-2 (30")R
@ M-66	North	3	Replace (2) G3-11 w/(2) D3-1
Q M-66 1.038			
	FAS 913 (3 1/2 Mile Rd.)		
@ K Dr. S.	South		W1-7 (48")
Q K Dr. S. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ K Dr. S.	West	2	Replace RI-2-36 w/RI-2 (36")
	0.142	West	1 Relocated W2-4 (30")
	0.180	West	1 Relocate W2-4 (30") 200' S.
	1.385	East	1 Replace W3-1 (30") w/W3-1 (36")
@ H Dr. S.	East		RI-1 (30")
Q H Dr. S. 1.529			

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WORK SHEET

Sheet 1 of 7

FAS 914 (C Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 1/2 Mi. Rd.	West	1	Replace W1-7 (48")
⊙ 1/2 Mi. Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ 1/2 Mi. Rd.	North		RI-1 (24")
@ 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.144	North	1	Replace W3-1 (30") w/W3-1 (36")
0.876	South		W2-2 (30")R
@ 1 1/2 Mi. Rd.	North		W1-7 (48")
⊙ 1 1/2 Mi. Rd. 1.016			
⊙ 1 1/2 Mi. Rd. 0.000			
@ 1 1/2 Mi. Rd.	South	1	Replace RI-2-36 w/RI-1 (24")
@ 1 1/2 Mi. Rd.	South	1	Replace W3-2 (30") w/W3-1 (30")
@ 1 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.032	South	1	Replace W1-5 (30")L w/W1-2 (30")L & Erect W13-1 (18")(35 MPH)
0.096	South	1	Erect W1-6 (48") facing west
0.146	North		W2-2 (30")L
0.193	South	1	Erect W1-4 (30")R
0.227	North	1	Erect W1-2 (30")R & W13-1 (18")(35 MPH)
0.436	North	1	Erect W1-4 (30")R
0.551	South	1	Erect W1-2 (30")L
0.648	East	1	Replace W2-2 (30")R w/W2-3 (30")R
0.733	West	1	Replace W1-5 (30")R w/W1-2 (30")R
⊙ B Dr. S. (S. Ext.) 0.746			
@ B Dr. S. (S. Ext.)	North	2	Replace RI-2-36 w/RI-2 (36")
@ B Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ B Dr. S. (N. Ext.)	North	2	Replace RI-2-36 w/RI-2 (36")
0.800	North		W1-7 (48")

WORK SHEET

FAS 914 (C Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Y Intersection	North in Median	1	Erect RI-2 (36") facing northwest
⊕ Y Intersection 0.819			
	FAS 914 (B Drive S.)		
⊕ Y Intersection 0.000			Blacktop-Yellow Skip-No Pass Yellow
0.091	North		W3-2 (30")
0.110	North	1	Erect W2-5 (30")
1.060	South	1	Raise W2-2 (30")R to 5' B.H.
@ 3 Mi. Rd.	South	3	Erect (2) D3-1 on existing post
@ 3 Mi. Rd.	North		W1-7 (48")
⊕ 3 Mi. Rd. 1.206			
⊕ 3 Mi. Rd. 0.000			
@ 3 Mi. Rd.	South	1	Erect RI-1 (24")
@ 3 Mi. Rd.	South	1	Replace W2-4 (30") w/W3-1 (30")
0.055	South	3	Erect I2-4 "SONOMA REDUCE SPEED"
0.146	North		W2-2 (30")L
0.146	South	1	Erect W13-1 (18")(15 MPH) on W1-1 (30")L
@ W. Shore Terrace	South		(2) D3-1
⊕ W Shore Terrace 0.261			
@ W. Shore Terrace	South	1	Erect RI-1 (24")
0.284	South	1	Erect W1-6 (48") facing west
0.290	South	1	Erect W1-6 (48") facing north
0.316	East		W2-2 (30")L
0.354	West	1	Erect W13-1 (18")(15 MPH) on W1-1 (30")R
0.364	West	3	Erect I2-4 "SONOMA REDUCE SPEED"
@ 3 1/2 Mi. Rd.	West		W1-7 (48")
⊕ 3 1/2 Mi. Rd. 0.380			

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WORK SHEET

Sheet 3 of 11

FAS: 914 (B Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 3 1/2 Mi. Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
@ 3 1/2 Mi. Rd.	North	1	Replace RI-2-36 w/RI-1 (30")
0.470	South		W1-4 (30")R
0.547	North	1	Replace W3-2 (30") w/ W3-1 (36")
0.776	South		W2-1 (30")
0.900	North		W1-4 (30")R
@ 4 Mi. Rd.	North		RI-1 (30")
@ 4 Mi. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
⊕ 4 Mi. Rd. 0.928			
⊕ 4 Mi. Rd. 0.000			
@ 4 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 4 Mi. Rd.	South		RI-1 (24")
@ 4 Mi. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.146	North	1	Remove W2-1 (30")
0.385	South	2	Replace W9-1-30 w/S1-1 (36")
0.749	North	2	Replace W9-1-30 w/S1-1 (36")
@ Capital S.W.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Capital S.W. 0.747			
@ Capital S.W. (S. Ext.)	South In Median		RI-1 (30")
⊕ Capital S.W. (S. Ext.) 0.847			
⊕ Capital S.W. (N. Ext.) 0.975			
@ Capital S.W. (N. Ext.)	North		RI-1 (30")
@ Capital S.W.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ Capital S.W. 1.028			
⊕ Capital S.W. 0.000			
⊕ M-66 0.190			

WORK SHEET

FAS 914 (B Drive S.)

P. O. DRAWER "K" 48904

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ M-66	South	3	Replace (2) G3-11 w/(2) D3-1
0.482	South		W8-1 (30")
0.631	North		W8-1 (30")
0.865	South		W2-1 (30")
@ 6 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 6 Mi. Rd.	North		R1-1 (30")
@ 6 Mi. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
@ 6 Mi. Rd.	South	3	Replace (2) G2-2
			<div style="display: flex; align-items: center; gap: 10px;"> HICKORY HILLS ← → back to </div>
			<div style="display: flex; align-items: center; gap: 10px;"> back w/(2) D1-1 ← HICKORY HILLS → </div>
			back to back
⊕ 6 Mi. Rd. 1.014			
⊕ 6 Mi. Rd. 0.000			
@ 6 Mi. Rd.	South		R1-1 (30")
@ 6 Mi. Rd.	South	1	Replace W3-1 (30") w/W3-1 (36")
0.110	South	1	Replace W1-5 (30")R w/W1-4 (30")R & Erect W13-1 (18")(35 MPH)
0.146	North	1	Remove W2-1 (30")
@ 6 1/2 Mi. Rd. (Ext.)	North		R1-1 (24")
⊕ 6 1/2 Mi. Rd. (Ext.) 0.259			
0.265	South		W2-1 (30")
@ 6 1/2 Mi. Rd.	North		R1-1 (24")
@ 6 1/2 Mi. Rd.	North		W3-1 (30")
⊕ 6 1/2 Mi. Rd. 0.392			
@ 6 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 6 1/2 Mi. Rd.	South		R1-1 (24")
@ 6 1/2 Mi. Rd.	South	1	Replace W2-1 (30") w/W3-1 (30")
0.515	South		Type <input type="checkbox"/> O.M. (12"x48")L

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WORK SHEET

Sheet 5 of

FAS 914 (B Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.515	North		Type III O.M. (12"x48")R
0.526	South		Type III O.M. (12"x48")R
0.526	North		Type III O.M. (12"x48")L
0.528	North		W2-1 (30")
0.585	North	1	Erect W1-4 (30")R & W13-1 (18")(35 MPH)
0.585	South	1	Erect W1-4 (30")L & W13-1 (18")(35 MPH)
1.030	North	1	Replace W1-5 (30")L w/W1-4 (30")L & Erect W13-1 (18")(35 MPH)
1.989	South		W3-1 (36")
@ 8 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 8 Mi. Pd.	South		R1-1 (36")
⊕ 8 Mi. Rd. 2.140			
⊕ 8 Mi. Rd. 0.000			
@ 8 Mi. Rd.	North		R1-1 (36")
0.140	North		W3-1 (36")
0.366	South		W2-2 (30")L
@ 8 1/2 Mi. Rd.	North		R1-1 (24")
@ 8 1/2 Mi. Rd.	North		W3-1 (30")
⊕ 8 1/2 Mi. Rd. 0.511			
@ 8 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.634	North		W2-2 (30")R
1.487	South	1	Remove W2-1 (30")
@ 9 1/2 Mi. Rd.	North		R1-1 (30")
@ 9 1/2 Mi. Rd.	North	1	Replace W2-1 (30") w/W3-1 (30")
@ 9 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
⊕ 9 1/2 Mi. Rd. 1.635			
⊕ 9 1/2 Mi. Rd. 0.000			

WORK SHEET

FAS 914 (B Drive S.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
@ 9 1/2 MI. Rd.	South		RI-1 (30")
@ 9 1/2 MI. Rd.	South		W3-1 (30")
0.142	North		W2-1 (30")
@ 10 MI. Rd. 0.152			
@ 10 MI. Rd.	South	3	Erect (2) D3-1
@ 10 MI. Rd.	South	1	Erect RI-1 (24")
1.277	South	1	Remove W2-1 (30")
@ 11 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 11 MI. Rd. 1.424			
@ 11 MI. Rd. 0.000			
0.152	North	1	Remove W2-1 (30")
@ 12 MI. Pd.	South	1	Replace RI-2-36 w/RI-1 (30")
@ 12 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 12 MI. Rd. 1.019			
	FAS 914 (12 Mile Rd.)		
@ B Dr. S. 0.000			Blacktop-White Skip-No Pass Yellow
@ B Dr. S.	East		W1-7 (48")
0.145	East		W2-2 (30")L
0.379	West		W2-2 (30")L
@ C Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ C Dr. S.	West	1	Erect W1-7 (48")
@ C Dr. S. 0.530			
@ 12 MI. Rd. 0.000			Blacktop-Yellow Skip-No Pass Yellow
@ 12 MI. Rd.	North	1	RI-1 (30")
0.146	North	1	Replace W2-4 (30") w/W3-1 (36")
0.834	South	1	Erect W13-1 (18") (25 MPH) on W1-3 (30")R

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 914 (C Drive S.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	10	1		3	4
RI-1 (30")	10			2	2
RI-1 (36")	2				
RI-2 (36")	6		4	2	6
WI-1 (30")R	2			1	1
WI-1 (30")L	1				
WI-2 (30")R	2			2	2
WI-2 (30")L	2			2	2
WI-3 (30")R	2				
WI-4 (30")R	5			4	4
WI-4 (30")L	2			2	2
WI-6 (48")	4			4	4
WI-7 (48")	8	1		2	3
W2-1 (30")	6				
W2-2 (30")R	3				
W2-2 (30")L	6				
W2-3 (30")R	1			1	1
W2-5 (30")	1			1	1
W3-1 (30")	7			4	4
W3-1 (36")	9			7	7
W3-2 (30")	1				
W8-1 (30")	2				
W13-1 (18") (15 MPH)	2			2	2

WORK SHEET

Sheet 1 of 5

FAS 915 (W. Territorial Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ Helmer Rd. 0.000		Blacktop
@ Helmer Rd.	North	(2) D3-1
@ Helmer Rd.	North	R1-1 (24")
0.051	North	1 Remove W2-1 (24")
0.078	South	1 Replace R2-1 (18")(25 MPH) w/R2-1 (24")(25 MPH)
@ N. 32nd St.	North	R1-1 (24")
@ N. 32nd St.	North	(2) D3-1
☉ N. 32nd St. 0.256		
@ N. 31st St.	North	R1-1 (24")
@ N. 31st St.	North	(2) D3-1
☉ N. 31st St. 0.320		
@ S. 31st St.	South	1 Replace R1-1 (24")
@ S. 31st St.	South	(2) D3-1
0.366	North	R2-1 (24")(25 MPH)
@ N. 30th St.	North	1 Replace R1-1 (24")
@ N. 30th St.	North	(2) D3-1
☉ N. 30th St. 0.385		
@ S. 30th St.	South	R1-1 (24")
@ S. 30th St.	South	(2) D3-1
0.409	South	1 Replace R2-1 (18")(25 MPH) w/R2-1 (24")(25 MPH)
0.423	South	2 Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk.
@ N. 29th St.	North	1 Replace R1-1 (24")
@ N. 29th St.	North	(2) D3-1
☉ N. 29th St. 0.449		
@ S. 29th St.	South	R1-1 (24")
@ S. 29th St.	South	(2) D3-1

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WORK SHEET

Sheet 2 of 5

FAS 915 (W. Territorial Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.490	South	1	Remove "SLOW" sign
@ N. 28th St.	North		(2) D3-1
☉ N. 28th St. 0.512			
@ S. 28th St.	South		(2) D3-1
@ N. 27th St.	North	1	Replace RI-1 (24")
@ N. 27th St.	North		(2) D3-1
☉ N. 27th St. 0.572			
@ S. 27th St.	South		(2) D3-1
@ S. 27th St.	South		RI-1 (24")
@ N. 26th St.	North		RI-1 (24")
@ N. 26th St.	North		(2) D3-1
☉ N. 26th St. 0.640			
@ S. 26th St.	South		RI-1 (24")
@ S. 26th St.	South		(2) D3-1
@ N. 25th St.	North		RI-1 (24")
@ S. 25th St.	South		(2) D3-1
☉ N. 25th St. 0.707			
@ N. 25th St.	North		(2) D3-1
@ S. 25th St.	South		RI-1 (24")
0.758	South	2	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
☉ S. 24th St. 0.769			
@ S. 24th St.	South		(2) D3-1
@ N. 23rd St.	North		RI-1 (24")
@ N. 23rd St.	North		(2) D3-1
☉ N. 23rd St. 0.836			
0.885	North	2	Replace W9-2-36 w/S2-1 (36") & Relocate to painted crosswalk

WORK SHEET

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Sheet 3 of 5

FAS 915 (W. Territorial Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ N. 22nd St.	North	RI-1 (24")
@ N. 22nd St.	North	(2) D3-1
☐ N. 22nd St. 0.899		
@ S. 22nd St.	South	RI-1 (24")
@ S. 22nd St.	South	(2) D3-1
0.927	North	1 Replace R7-1 (12")
0.931	North	1 Replace R7-1 (12")
0.932	North	2 Replace R2-1 (18")(25 MPH) w/R2-1 (24")(25 MPH)
0.937	South	"NO PARKING POLICE CARS" (12")
0.945	South	"NO PARKING POLICE CARS" (12")
@ N. 21st St.	North	(2) D3-1
@ N. 21st St.	North	RI-1 (24")
☐ N. 21st St. 0.462		
@ N. 20th St.	North	(2) D3-1
☐ N. 20th St. 1.026		(1) 4W-3C-SA STOP & GO
☐ N. 20th St. 0.000		1 Erect (1) 4W-3C-SA STOP & GO
@ S. 20th St.	South	(2) D3-1
0.009	South	1 Replace R7-5 (12")
0.028	South	1 Replace R7-12 (12")
0.068	South	1 Replace R2-1 (18")(25 MPH) w/R2-1 (24") (25 MPH)
0.103	South	2 Replace W9-2-36 w/S2-1 (36") & Relocate to painted crosswalk
@ Woodrow Ave.	South	3 Replace (2) D3-1
☐ Woodrow Ave. 0.128		
@ Woodrow Ave.	South	RI-1 (24")
0.217	South	1 Remove "SLOW CHILDREN" sign
@ Arbor St.	South	(2) D3-1

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WORK SHEET

Sheet 4 of

FAS 915 (W. Territorial Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ Arbor St. 0.252			
@ Arbor St.	South		R1-1 (24")
@ Pleasant Ave.	North		(2) D3-1
@ Pleasant Ave.	North		R1-1 (24")
☉ Pleasant Ave. 0.284			
0.328	North	2	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
@ Wiltshire Ave.	North	1	Replace R1-1 (24")
@ Wiltshire Ave.	North		(2) D3-1
☉ Wiltshire Ave. 0.339			
@ LaVista Blvd.	North		(2) D3-1
@ LaVista Blvd.	North		R1-1 (24")
☉ LaVista Blvd. 0.398			
@ LaVista Blvd.	South	1	Relocate R1-1 (24") 20' N.
0.415	North	2	Replace R2-1 (18")(25 MPH) w/R2-1 (24") (25 MPH)
0.496	North	3	Replace "WELCOME TO TOWNSHIP OF BATTLE CREEK NO PARKING 2 AM - 6 AM w/I2-2a
☉ Beckman Ave. 0.576			
@ Beckman Ave. S.	South		(2) D3-1
☉ Beckman Ave. S. 0.598			
@ Beckman Ave. S.	South		R1-1 (24")
0.672	South	1	Replace R2-1 (18")(25 MPH) w/R2-1 (24")(25 MPH)
☉ Fairhome Ave. 0.672			
@ Pioneer	South		(2) D3-1
☉ Pioneer 0.714			
@ Pioneer	South		R1-1 (24")
☉ Foster Ave. 0.809			
@ Foster Ave.	South		(2) D3-1

WORK SHEET

FAS 916 (3 Mile Rd.) (Helmer Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ B Dr. N. (Beckley Rd.) 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ B Dr. N. (Beckley Rd.)	West	R1-1 (24")
0.038	East	I Remove R2-1 (24")(35 MPH)
0.101	East	I Erect R2-5c (24")
0.123	West	I Replace W3-1 (30") w/W3-1 (36")
0.146	East	I Replace "NO PASSING" sign w/R4-1 (24")
0.165	East	W8-6 (30")
@ I-94 0.290		
0.324	East	I Erect R2-1 (24")(45 MPH)
0.405	West	W8-6 (30")
0.434	East	I Remove W2-1 (30")
0.484	West	I Raise R2-1 (24")(45 MPH) to 5' B.H.
0.503	West	I Replace "NO PASSING" sign w/R4-1 (24")
@ Watkins Rd.	West	R1-1 (30")
@ Watkins Rd.	West	I Remove W3-1 (30")
@ Watkins Rd. 0.509		
@ Watkins Rd.	East	(2) D3-1
@ Watkins Rd.	East	I Replace W2-1 (30") w/W3-1 (30")
@ Watkins Rd.	East	R1-1 (30")
0.538	East	R2-1 (24")(45 MPH)
0.587	West	I Remove W2-1 (30")
0.997	East	R2-1 (24")(45 MPH)
0.997	West	I Raise R2-1 (24")(45 MPH) to 5' B.H.
1.449	East	I Remove W2-1 (30")
1.478	West	R2-1 (24")(45 MPH)
@ Gethings Rd.	West	R1-1 (24")

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WORK SHEET

Sheet 2 of 3

FAS 916 (3 Mile Rd.) (Helmer Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ Gethings Rd. 1.526			
⊕ Gethings Rd. 0.000			
@ Gethings Rd.	East		(2) D3-1
@ Gethings Rd.	East		R1-1 (24")
0.051	East		R2-1 (24")(45 MPH)
0.080	West	1	Remove W2-1 (30")
@ Loyd Dr.	East		(2) D3-1
⊕ Loyd Dr. 0.112			
@ Loyd Dr.	East		R1-1 (24")
0.471	East		R2-1 (24")(45 MPH)
0.471	West		R2-1 (24")(45 MPH)
0.885	East	1	Replace W3-1 (30") w/W3-1 (36")
0.955	East	1	Remove "WELCOME TO TOWNSHIP OF BATTLE CREEK NO PARKING 2 A.M. - 6 A.M."
0.993	West		R2-1 (24")(45 MPH)
@ W. Columbia Ave.	East		R1-1 (36")
⊕ W. Columbia Ave. 1.022			
⊕ W. Columbia Ave. 0.000			
@ W. Columbia Ave.	West		R1-1 (30")
0.021	East	3	Replace D1-2 V. A. HOSPITAL w/
			D1-1 ↑ V. A. HOSPITAL
0.053	East		R2-1 (24")(35 MPH)
0.135	West	1	Replace W3-1 (30") w/W3-1 (36")
0.432	East		W2-1 (30")
0.484	West		R2-1 (24")(35 MPH)
@ Territorial Rd.	West		R1-1 (24")
⊕ Territorial Rd. 0.530			Begin White Skip

QUANTITY SHEET

County CalhounSheet 1 of 1Route FAS 916 (3 Mile Rd.)(Helmer Rd.)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	5				
RI-1 (30")	3				
RI-1 (36")	1				
R2-1 (24")(35 MPH)	2				
R2-1 (24")(45 MPH)	10			1	1
R2-5c (24")	1			1	1
R4-1 (24")	2			2	2
WI-3 (30")R	2				
WI-6 (48")	1			1	1
W2-1 (30")	1				
W3-1 (30")	1			1	1
W3-1 (36")	3			3	3
W8-6 (30")	2				
WI3-1 (18")(25 MPH)	2			2	2
D1-1	1			1	1
D3-1	6				
I2-2a	1			1	1
TOTAL	44			13	13

WORK SHEET

Sheet 1 of 3

FAS 917 (W Goguac St.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ Helmer Rd. 0.000		Blacktop - Yellow Skip- No Pass Yellow
@ Helmer Rd.	North	1 Replace RI-1 (24")
@ Helmer Rd.	North	3 (2) D3-1
0.009	South	"TRUCKS, SEMIS, HEAVY TRUCKS, HEAVY MACHINERY, PROHIBITED EXCEPT LOCAL DELIVERY"
☉ N. 33rd St. 0.095		
@ N. 33rd St.	South	1 Replace RI-1 (24")
@ N. 33rd St.	South	(2) D3-1
☉ N. 32nd St. 0.170		
@ N. 32nd St.	South	RI-1 (24")
@ N. 32nd St.	South	(2) D3-1
☉ N. 31st St. 0.233		
@ N. 31st St.	South	RI-1 (24")
@ N. 31st St.	South	(2) D3-1
☉ N. 30th St. 0.297		
@ N. 30th St.	South	1 Relocate RI-1 (24") 25' N.
@ N. 30th St.	South	3 Erect (2) D3-1 on existing post
0.346	South	1 Replace R2-1 (18") (25 MPH) w/R2-1 (24") (25 MPH)
@ N. 29th St.	South	(2) D3-1
☉ N. 29th St. 0.362		
@ N. 29th St.	South	1 Replace RI-1 (24")
☉ N. 28th St. 0.426		
@ N. 28th St.	South	(2) D3-1
☉ N. 27th St. 0.490		
@ Floral Dr.	South	(2) D3-1
☉ Floral Dr, 0.549		
@ Floral Dr.	South	RI-1 (24")

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WORK SHEET

Sheet 2 of

FAS 917 (W. Coguac St.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ N. 25th St.	South	(2) D3-1
⊕ N. 25th St. 0.616		
@ N. 25th St.	South	RI-1 (24")
0.621	North	I Replace R2-1 (18")(25 MPH)w/R2-1 (24")(25 MPH)
⊕ N. 24th St. 0.682		
@ N. 24th St.	South	(2) D3-1
0.701	North	R7-5 (12")
⊕ N. 23rd St. 0.744		
@ N. 23rd St.	South	RI-1 (24")
@ N. 23rd St.	South	(2) D3-1
⊕ N. 22nd St. 0.809		
@ N. 22nd St.	South	I Replace RI-1 (24")
@ N. 22nd St.	South	(2) D3-1
0.856	North	R2-1 (24")(25 MPH)
⊕ N. 21st St. 0.871		
@ N. 21st St.	South	I Replace RI-1 (24")
@ N. 21st St.	South	(2) D3-1
⊕ N. 20th St. 0.932		(1) 4W-3C-SA STOP & GO
⊕ N. 20th St. 0.000		I Erect (1) 4W-3C-SA STOP & GO
@ N. 20th St.	South	(2) D3-1
0.027	South	I Raise "TRUCKS, SEMIS, HEAVY TRUCKS, HEAVY MACHINERY, PROHIBITED EXCEPT LOCAL DELIVERY"
		to 5' B.H.
0.027	South	I Replace R2-1 (18")(25 MPH) w/R2-1 (24")(25 MPH)
⊕ N. 19th St. 0.082		
@ N. 19th St.	South	RI-1 (24")
@ N. 19th St.	South	(2) D3-1

WORK SHEET

Sheet 1 of 5

FAS 939 (25 1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
☉ M-60 0.000		Blacktop
@ Sprague St.	West	1 Replace R1-2-30 w/R1-2 (36")
☉ Sprague St. 0.070		
@ Sprague St.	West	3 Replace (2) G3-11 w/(2) D3-1
0.074	East	R2-1 (24")(35 MPH)
@ Platt St.	West	1 Replace R1-2-30 w/R1-2 (36")
☉ Platt St. 0.135		
@ Platt St.	West	3 Replace (2) G3-11 w/(2) D3-1
0.200	East	1 Relocated R2-1 (24")(45 MPH)
0.200	West	1 Erect R2-1 (24")(35 MPH)
0.368	East	1 Relocate R2-1 (24")(45 MPH) 885' S.
0.400	East	1 Erect R2-3a (24")
0.400	West	1 Erect R2-1 (24")(45 MPH)
0.570		Begin White Skip - No Pass Yellow
0.589	West	1 Erect R2-5c (24")
0.652	East	1 Remove R2-1 (24")(45 MPH) & "ENDS" panel
0.652	West	1 Remove R2-1 (24")(45 MPH)
0.762	East	W2-1 (30")
0.850	West	1 Remove R2-1 (24")(45 MPH) & R2-4-24
☉ L Dr. S. 0.910		
☉ L Dr. S. 0.000		
0.059	East	W1-2 (30")R
0.110	East	Type III O.M. (12"x36")L
0.110	West	Type III O.M. (12"x36")R
0.123	East	Type III O.M. (12"x36")R
0.123	West	Type III O.M. (12"x36")L

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WORK SHEET

Sheet 2 of

FAS 939 (25 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.152	West		W2-1 (30")
0.246	East		W1-2 (30")L
0.390	West		W1-2 (30")L
0.665	West		W1-2 (30")R
0.908	East	1	Remove W2-1 (30")
@ J Dr. S.	West		R1-1 (30")
@ J Dr. S.	West		W3-1 (30")
@ J Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
⊕ J Dr. S.			
⊕ J Dr. S.			
@ J Dr. S.	East		R1-1 (30")
@ J Dr. S.	East		W3-1 (30")
0.148	West		W2-1 (30")
0.861	East		W2-2 (30")R
0.960	East	1	Remove "SLOW" sign
@ H Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
⊕ H Dr. S.			
⊕ H Dr. S.			
@ H Dr. S.	East	1	Replace R1-1 (24")
@ H Dr. S.	East	1	Replace W3-1 (30")
0.127	West	1	Remove "SLOW" sign
0.150	West		W2-2 (30")L
0.858	East		W2-1 (30")
⊕ F Dr. S.			
⊕ F Dr. S.			
0.154	West		W2-1 (30")

WORK SHEET

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Sheet 3 of 5

FAS 939 (25 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.398			Begin Yellow Skip
0.520	East	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")R
0.686	East	1	Replace R2-1 (24")(45 MPH) & R2-4-24 w/ R2-5c (24") & relocate 450' N.
0.690	West		W1-6 (48")
0.705	West		W1-6 (48")
0.771	East	1	Relocated R2-5c (24")
0.889	West	1	Erect W13-1 (18")(35 MPH) on W1-2 (30")L
0.910	East		W2-1 (30")
0.960	East	1	Relocated R2-1 (24")(45 MPH)
0.960	West	1	Relocated R2-3a (24")
0.984	East	1	Relocated R2-1 (24")(45 MPH)
0.984	West	1	Replace R2-1 (24")(45 MPH) & "ENDS" panel w/R2-3a (24") & relocate 125' S.
@ D Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ D Dr. S.	West		R1-1 (30")
@ D Dr. S.	West	1	Replace W3-1 (30") w/W3-1 (36")
@ D Dr. S. 1.060			
@ D Dr. S. 0.000			
@ D Dr. S.	East		R1-1 (30")
@ D Dr. S.	East		W3-1 (30")
0.034	East		R2-1 (24")(45 MPH)
0.097	West	1	Remove W2-1 (30")
@ Co. Rd. 0.108			
@ Co. Rd.	East	1	Replace R1-1 (30")
@ Co. Rd.	East	1	Replace W3-1 (30") w/W3-1 (36")
0.257	East	1	Remove R2-1 (24")(45 MPH) & "ENDS" panel
0.257	West	1	Relocate R2-1 (24")(45 MPH) 755' N.

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WORK SHEET

Sheet 4 of

FAS 939 (25 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.400	East	1	Erect R2-3a (24")
0.400	West	1	Relocated R2-1 (24")(45 MPH)
0.547	West	1	Replace R2-1 (24")(45 MPH) & R2-4-24 w/ R2-5c (24") & relocate 220' N.
0.566			Begin White Skip
0.589	West	1	Relocated R2-5c (24")
1.030	East	1	W2-2 (30")L
1.051	East	1	Erect W13-1 (18")(30 MPH) on W1-1 (30")R
@ B Dr. S.	West		R1-1 (24")
@ B Dr. S.	West		W3-1 (30")
@ B Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ B Dr. S. 1.140			
	FAS 939 (Irwin Ave.)		
@ B Dr. S. 0.000			Blacktop - White Skip - No Pass Yellow
0.114	West		W2-2 (30")R
0.167	East	1	Replace R2-1 (24")(45 MPH) & R2-4-24 w/ R2-5c (24") & relocate 230' N.
0.193	West	1	Erect W13-1 (18")(30 MPH) on W1-1 (30")L
0.211	East	1	Relocated R2-5c (24")
0.362	East	1	Relocate R2-1 (24")(45 MPH) 200' N.
0.368	West	1	Replace R2-1 (24")(45 MPH) & "ENDS" Panel w/R2-3a (24") & relocate 170' N.
0.400	East	1	Relocated R2-1 (24")(45 MPH)
0.400	West	1	Relocated R2-3a (24")
0.740	East	1	Remove W2-2 (30")L
0.758	East	1	Replace W9-1-30 w/S1-1 (36")
0.834	West		R2-1 (24")(45 MPH)
@ Albion Limits 0.836			
@ 27 Mi. Rd.			

County CalhounSheet 1 of 2Route FAS 939 (25 1/2 Mile Rd.)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	3	1			1
RI-1 (30")	6	1			1
RI-2 (36")	2			2	2
R2-1 (24") (35 MPH)	2			1	1
R2-1 (24") (45 MPH)	7			1	1
R2-3a (24")	4			4	4
R2-5c (24")	4			4	4
WI-1 (30")R	1				
WI-1 (30")L	1				
WI-2 (30")R	3				
WI-2 (30")L	3				
WI-6 (48")	2				
W2-1 (30")	6				
W2-2 (30")R	2				
W2-2 (30")L	2				
W3-1 (30")	5	1			1
W3-1 (36")	4			4	4
WI3-1 (18") (30 MPH)	2			2	2
WI3-1 (18") (35 MPH)	2			2	2
Type III O.M. (12"x36")R	2				
Type III O.M. (12"x36")L	2				
SI-1 (36")	2			2	2

WORK SHEET

Sheet 1 of

FAS 1348 (S. County Line Drive)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 9 MI. Rd.	North	1	Replace W2-4 (30") w/W3-1 (30")
@ 9 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
Q 9 MI. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 9 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.152	North	1	Erect W13-1 (18") (15 MPH) on W1-3 (30")L
0.169	North	1	Replace W2-4 (30") w/W2-2 (30")R
0.850	South	1	Raise W2-2 (30")L to 5' B.H.
0.920	South	1	Relocated W10-1 (36")
0.926	South	1	Relocate W10-1 (36") 30' W.
0.970	South		RI5-1
0.993	North		RI5-1
@ 10 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 10 MI. Rd.	North	1	Replace W3-2 (30") w/W3-1 (30")
@ 10 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (24")
Q 10 MI. Rd. 1.020			
Q 10 MI. Rd. 0.000			
0.027	North		W10-1 (36")
0.148	North	1	Remove W2-2 (30")R
0.870	South	1	Replace W3-1 (30") w/W3-1 (36")
@ 11 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 11 MI. Rd.	South		RI-1 (30")
Q 11 MI. Rd. 1.013			
Q 11 MI. Rd. 0.000			
@ 11 MI. Rd.	North		RI-1 (24")
0.148	North	1	Replace W3-1 (30") w/W3-1 (36")
0.883	South	1	Remove W2-2 (30")L

WORK SHEET

FAS 1393 (6 1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ B Dr. N. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ B Dr. N.	West	R1-1 (30")
0.028	East	R2-1 (24")(50 MPH)
0.104	West	1 Replace W3-1 (30") w/W3-1 (36")
0.537	West	R2-1 (24")(50 MPH)
0.539	East	R2-1 (24")(50 MPH)
0.672	East	W2-2 (30")R
⊙ D Dr. N. 0.783		
@ D Dr. N.	West	W1-7 (48")
@ D Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
@ D Dr. N.	East	R1-1 (30")
@ D Dr. N.	East	W3-1 (30")
⊙ I-94 0.881		
0.900	West	W2-2 (30")L
⊙ Hoover Rd. 1.011		
⊙ Hoover Rd. 0.000		
@ Hoover Rd.	West	1 Replace W1-7-30 w/W1-7 (48")
@ Hoover Rd.	East	3 Replace (2) G3-11 w/(2) D3-1
@ Hoover Rd.	East	R1-1 (24")
0.037	West	R2-1 (24")(50 MPH)
0.045	East	R2-1 (24")(50 MPH)
0.078	West	1 Remove W2-2 (30")L
@ Bach Dr.	East	3 Erect (1) D3-1 "6 1/2 MILE RD."
@ Bach Dr.	East	(1) D3-1 "BACH DR."
⊙ Bach Dr. 0.097		
@ Bach Dr.	East	1 Erect R1-1 (24")

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WORK SHEET

Sheet 2 of

FAS 1393 (6 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.436	West		R2-1 (24") (50 MPH)
⊙ E Dr. N. 0.490			
@ E Dr. N.	West		W1-7 (48")
@ E Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ E Dr. N.	East	1	Replace R1-1 (24")
0.557	East		R2-1 (24") (50 MPH)
⊙ Orbit Dr. 0.590			
@ Orbit Dr.	East	1	Erect R1-1 (24")
@ Orbit Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
⊙ Juanita Dr. 0.659			
@ Juanita Dr.	East	1	Erect R1-1 (24")
@ Juanita Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
0.747	West	1	Erect W2-2 (30") L
1.031	East		R2-1 (24") (50 MPH)
1.031	West		R2-1 (24") (50 MPH)
1.189	East	1	Replace W3-1 (30") w/W3-1 (36")
1.256	West		R2-1 (24") (50 MPH)
@ G Dr. N. (Golden Ave.)	East		R1-1 (30")
⊙ G Dr. N. (Golden Ave.) 1.284			
⊙ G Dr. N. (Golden Ave.) 0.000			
@ G Dr. N. (Golden Ave.)	West		R1-1 (30")
0.032	East	1	Replace R2-1 (24") (35 MPH)
@ Marlon	West	3	Replace (2) G3-11 w/(2) D3-1
@ Marlon	West	1	Replace R1-1 (24")
⊙ Marlon 0.066			
0.127	West		W3-1 (30")

QUANTITY SHEET

County CalhounSheet 1 of 1Route FAS 1393 (6 1/2 Mile Rd.)Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	8	4		3	7
R1-1 (30")	4				
R2-1 (24") (35 MPH)	2	1			1
R2-1 (24") (50 MPH)	10				
R5-1 (30")	2			2	2
R7-1 (12")	2				
W1-6 (48")	1				
W1-7 (48")	3			1	1
W2-2 (30")R	1				
W2-2 (30")L	2			1	1
W3-1 (30")	2				
W3-1 (36")	2			2	2
Type III O.M. (12"x36")R	2			2	2
Type III O.M. (12"x36")L	2			2	2
Type III O.M. (12"x48")R	2	2			2
Type III O.M. (12"x48")L	2	2			2
D3-1	16			15	15
TOTAL	63	9		28	37

WORK SHEET

Sheet 1 of 2

FAS 1541 (17 Mile Rd.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
0.000 @ N. Marshall Limits			Blacktop - White Skip - No Pass Yellow
0.000	West	1	Relocated R2-1 (24")(45 MPH)
0.002	East		R2-3a (24")
0.023	West		I6-2
0.047	West	1	Relocate R2-1 (24")(45 MPH) 250' S.
0.063	East		R4-2 (24")
0.101	West		R4-2 (24")
0.131	West		W2-1 (36")
0.240	West	2	Replace R2-1 (24")(45 MPH) & R2-4-24 w/R2-5c (24")
0.261	West		R4-1 (24")
0.261	East		W14-3 (36")
0.453	East	1	Replace R7-1 (12")
0.455	West		R7-1 (12")
0.492	East		R7-1 (12")
0.492	West		R7-1 (12")
@ F Dr. N.			R1-1 (36")
@ F Dr. N.			W3-1 (36")
@ F Dr. N. 0.513			
@ F Dr. N.		3	Replace (2) G3-11 w/(2) D3-1
0.534	East		R7-1 (12")
0.576	West		R2-3a (24")
0.576	West		R7-1 (12")
0.586	East	1	Replace R7-1 (12")
0.614	West		R7-1 (12")
0.625	West	1	Replace W4-3-48 w/W4-2 (36")
0.653	East	1	Replace R7-1 (12")

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WORK SHEET

Sheet 1 of 2

FAS 1740 (River Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ W. Calhoun Co. Line (Armstrong Rd.)	North	3	Erect (2) D3-1
Q W. Calhoun Co. Line (Armstrong Rd.) 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ W. Calhoun Co. Line (Armstrong Rd.)	South		R1-1 (36")
0.009	North		(2) D1-2 (back to back) V. A. HOSPITAL
0.030	South	3	Erect I2-2
0.891	South		W2-2 (30")L
Q Co. Rd. 1.035			
Q Co. Rd. 0.000			
@ Co. Rd.	North	3	Erect (2) D3-1
0.145	North		W2-2 (30")R
0.577	South	1	Relocated R2-5c (24")
0.636	South	1	Erect W13-1 (18")(15 MPH) on W1-3 (30")L
0.700	South	1	Relocate R2-5c (24") 650' W.
Q Co. Rd. 0.737			
@ Co. Rd.	South	1	Erect R1-1 (24")
@ Co. Rd.	South	3	Erect (2) D3-1
0.769	South		W10-1 (36")
0.804	North	1	Erect R2-3a (24")
0.815	South		(2) W1-6 (48")
0.832	East	1	Replace W10-2 w/Flashers w/R15-1 (w/Flashers) & "2 TRACKS" w/R15-2
0.842	West	1	Replace W10-2 w/Flashers w/R15-1 (w/Flashers) & "2 TRACKS" w/R15-2
0.851	East	2	Replace R2-1 (18")(40 MPH) w/R2-1 (24")(40 MPH)
0.870	West	1	Relocate W10-1 (36") 200' E.
0.883	West	1	Erect W1-6 (48") facing S.
0.904	North	1	Replace B/W Target Arrow w/W1-6 (48") facing E.
0.908	North	1	Relocated W10-1 (36")

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STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 1

Route FAS 1740 (River Rd.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	3	2		1	3
R1-1 (36")	1				
R1-3 (12")	2			2	2
R2-1 (24") (40 MPH)	6		4	1	5
R2-3a (24")	1			1	1
R2-5c (24")	1				
R15-1 (w/Flashers)	2			2	2
R15-2	2			2	2
W1-3 (30")L	2				
W1-6 (48")	4			2	2
W1-7 (48")	1			1	1
W2-2 (30")R	1				
W2-2 (30")L	1				
W3-1 (30")	1				
W10-1 (36")	2				
W13-1 (18") (15 MPH)	2			2	2
DI-2	2				
D3-1	8			6	6
I2-2	1			1	1
TOTAL	43	2	4	21	27

WORK SHEET

FAS 1818 (Michigan Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☐ BL-94 (Partello Rd.) 0.000			Blacktop-Yellow Strip-No Pass Yellow
@ BL-94 (Partello Rd.)	South	3	Replace (2) G3-11 w/(2) D3-1
@ Michigan Ave. (Ext.)	Median South	2	Replace RI-2-36 w/RI-2 (36")
@ Michigan Ave. (Ext.)	Median South		WI-6 (48")
@ Michigan Ave. (Ext.)	Median (South) South of Median		(2) R5-1 (30")
☐ Michigan Ave. (Ext.) 0.085			
0.095	South	1	Replace WI-1 (36")L w/WI-2 (36")L & remove WI2-1-21 (40 MPH)
0.112	South		Type III O.M. (24" x 48")L
0.112	North		Type III O.M. (24"x48")R
0.122	South		Type III O.M. (24"x48")R
0.122	North		Type III O.M. (24"x48")L
0.195	South		WI-6 (48")
0.197	South		WI-6 (48")
0.290	South		R4-2 (24")
0.318	North	1	Replace WI-1 (36")R w/WI-2 (36") R & remove WI2-1-21 (40 MPH) & relocate 400' E
0.394	North	1	Relocated WI-2 (36")R
0.470	North		R4-1 (24")
0.513	South	1	Replace WI-3 (36")L w/WI-4 (36")L & remove WI2-1-21 (45 MPH)
0.530	South		R4-1 (24")
0.709	North		R4-2 (24")
0.720	South		WI-6 (48")
0.872	North		WI-6 (48")
0.919	North		WI-6 (48")
1.022	South		R4-2 (24")
1.058	North		R4-1 (24")
1.060	South	1	Raise WI-2 (36")R to 5' B.H.

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WORK SHEET

Sheet 2 of 7

FAS 1818 (Michigan Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.084	South		R4-1 (24")
1.086	North	1	Replace W1-3 (36")L w/W1-4 (36")L & remove W12-1-21 (45 MPH)
1.221	South		R4-2 (24")
1.240	North		R4-1 (24")
1.292	South	1	Remove W2-1 (30")
1.364	North		W1-2 (36")R
@ 20 MI. Rd.	North		R1-1 (30")
@ 20 MI. Rd.	North	1	Replace W3-1 (30") w/W3-1 (36")
Q 20 MI. Rd. 1.408			
Q 20 MI. Rd. 0.000			
@ 20 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 20 MI. Rd.	South		R1-1 (30")
0.019	North		R4-1 (24")
0.114	North	1	Remove W2-1 (30")
0.406	South		R4-1 (24")
0.560	South		R4-2 (24")
0.587	North		R4-2 (24")
0.758	North		R4-1 (24")
0.796	South	1	Remove W12-1-21 (45 MPH) from W1-2 (30")R
0.824	South		R4-1 (24")
0.918	South	1	Remove W2-2 (30")L
1.005	North		R4-2 (24")
@ 21 MI. Rd.	North		R1-1 (24")
Q 21 MI. Rd. 1.030			
Q 21 MI. Rd. 0.000			
@ 21 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1

WORK SHEET

FAS 1818 (Michigan Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.057	South		W1-2 (30")L
0.082	North	1	Remove W12-1-21 (45 MPH) from W1-2 (30")L
0.120	North	1	Remove W2-2 (30")R
0.187	South	1	Replace R4-2 (24")
0.369	North		W1-2 (30")R
0.377	North		R4-1 (24")
0.663	South	1	Remove W2-2 (30")L
@ 21 1/2 Mi. Rd.	North	1	Replace R1-1 (24")
@ 21 1/2 Mi. Rd.	North	1	Remove W3-1 (30")
⊕ 21 1/2 Mi. Rd. 0.786			
@ 21 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.887	South	1	Remove W2-2 (30")R
0.894	North	1	Remove W2-2 (30")R
⊕ 22 Mi. Rd. 1.044			
@ 22 Mi. Rd.	South		R1-1 (30")
@ 22 Mi. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
@ 22 Mi. Rd.	North		W1-7 (48")
1.095	South		R4-1 (24")
1.151	South		W2-2 (30")L
1.200	North		W2-2 (30")L
1.201	South		R4-2 (24")
1.256	North		R4-2 (24")
⊕ 22 1/2 Mi. Rd. 1.304			
⊕ 22 1/2 Mi. Rd. 0.000			
@ 22 1/2 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.091	North		R4-1 (24")

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WORK SHEET

Sheet 4 of

FAS 1818 (Michigan Avenue)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.150	North		W2-2 (30"R)
0.282	South	1	Replace R4-1 (24")
0.394	South		R4-2 (24")
0.464	North		R4-2 (24")
0.488	South	1	Remove W2-2 (30"R)
0.577	South	1	Replace W12-1-21 (45 MPH) w/W13-1 (18") (45 MPH) on W1-4 (30"R)
0.615	South		R4-1 (24")
0.617	North		R4-1 (24")
@ Co. Rd. 0.633			
@ Co. Rd.	North	3	Erect (2) D301
@ Co. Rd.	South		R1-1 (30")
@ Co. Rd.	South		W3-1 (30")
0.652	South		W2-1 (30")
0.740	North	1	Remove W2-2 (30"L)
@ 23 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 23 MI. Rd.	North		R1-1 (36")
@ 23 MI. Rd.	North		W3-1 (36")
@ 23 MI. Rd. 0.775			
@ 23 MI. Rd. 0.000			
0.013	North		R4-2 (24")
0.152	South		R4-2 (24")
0.161	South		W1-6 (48")
0.187	South		W1-6 (48")
0.331	North		R4-1 (24")
0.352	North	1	Replace W12-1-21 (45 MPH) w/W13-1 (18") (45 MPH) on W1-4 (30"R)
0.475	South		R4-1 (24")

WORK SHEET

FAS 1818 (Michigan Avenue)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.572	South		R4-2 (24")
0.691	North		R4-2 (24")
0.792	North		R4-1 (24")
0.861	South		R4-1 (24")
0.892	South		W2-2 (30")L
@ 24 Mi. Rd.	North		R1-1 (30")
@ 24 Mi. Rd.	North		W3-1 (36")
@ 24 Mi. Rd.	North	1	Remove "SLOW" sign
@ 24 Mi. Rd.	South		W1-7 (48")
@ 24 Mi. Rd. 1.042			
@ 24 Mi. Rd. 0.000			
@ 24 Mi. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.008	South		R4-2 (24")
0.011	North		R4-2 (24")
0.144	North		W2-2 (30")R
0.179	North		R4-1 (24")
0.407	South		R4-1 (24")
0.522	South		R4-2 (24")
0.587	South		R4-2 (24")
0.724	North		R4-1 (24")
0.771	South		W1-2 (30")L
0.786	South		R4-1 (24")
1.005	North		R4-2 (24")
1.107	South		R4-2 (24")
1.180	South	1	Remove W2-2 (30")R
1.182	North		W1-2 (30")R

WORK SHEET

FAS 1818 (Michigan Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 25 1/2 MI. Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
☉ 25 1/2 MI. Rd. 1.282			
@ 25 1/2 MI. Rd.	South		RI-1 (30")
@ 25 1/2 MI. Rd.	South		W3-1 (30")
1.383	South	1	Remove W2-2 (30")L
1.435	North	1	Remove W2-2 (30")L
1.449	North		R4-1 (24")
@ 26 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
☉ 26 MI. Rd. 1.534			
☉ 26 MI. Rd. 0.000			
0.104	South		W2-2 (30")L
0.123	North	1	Remove W2-2 (30")R
@ C Dr. N.	North		RI-1 (30")
@ C Dr. N.	North	1	Replace W3-1 (30") w/W3-1 (36")
@ C Dr. N.	North	3	Replace (2) G3-11 w/(2) D3-1
@ C Dr. N.	South	1	Erect WI-7 (48")
☉ C Dr. N. 0.212			
0.360	North		W2-2 (30")R
0.558	South		WI-2 (30")L
0.646	South	1	Remove W2-2 (30")R
0.738	South	1	Remove W2-2 (30")E
@ B Dr. N.	South	3	Replace (2) G3-11 w/(2) D3-1
☉ B Dr. N. 0.810			
@ B Dr. N.	South		RI-1 (24")
@ 26 1/2 MI. Rd.	North	1	Replace RI-1 (24")
@ 26 1/2 MI. Rd.	North	1	Replace W3-1 (36")

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 1818 (Michigan Ave.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	5	2			2
R1-1 (30")	8				
R1-1 (36")	1				
R1-2 (36")	1		1		1
R2-3a (24")	1				
R2-5c (24")	1			1	1
R4-1 (24")	24	1			1
R4-2 (24")	22	1			1
R5-1 (30")	2				
R7-1 (12")	1				
W1-2 (30")R	4				
W1-2 (30")L	4				
W1-2 (36")R	3			1	1
W1-2 (36")L	1			1	1
W1-4 (30")R	2				
W1-4 (36")L	2			2	2
W1-6 (48")	8				
W1-7 (48")	3			1	1
W2-1 (30")	1				
W2-2 (30")R	3				
W2-2 (30")L	4				
W3-1 (30")	2				
W3-1 (36")	5	1		2	3

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WORK SHEET

Sheet 1 of 1

FAS 1819 (Michigan Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ I-94 0.000		Concrete-Yellow Skip- No Pass Yellow
0.178	South	W14-3 (36")
0.178	North	R4-1 (24")
@ 11 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
⊙ 11 Mi. Rd. 0.259		Blacktop-Yellow Skip-No Pass Yellow
@ Ackerson	North	3 Replace (2) G3-11 w/(2) D3-1
@ Ackerson	North	R1-1 (24")
⊙ Ackerson 0.955		
⊙ Ackerson 0.000		
0.208	South	R4-1 (24")
0.333	South	W1-4 (30")R
0.404	North	R4-2 (24")
0.457	South	R4-2 (24")
0.556	South	R4-1 (24")
0.566	North	R4-1 (24")
0.661	South	R4-2 (24")
0.669	North	D1-1 VILLAGE OF CERESCO →
@ 12 Mi. Rd.	North	D1-1a ← BATTLE CREEK 7 MI
@ 12 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
⊙ 12 Mi. Rd. 0.677		
⊙ 12 Mi. Rd. 0.000		
0.036	North	R4-2 (24")
0.083	South	R4-1 (24")
0.145	North	R4-1 (24")
0.187	North	W1-4 (30")R
0.219	South	R4-2 (24")

WORK SHEET

FAS 1819 (Michigan Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.269	North	R4-2 (24")
0.425	North	R4-1 (24")
@ 13 Mi. Rd.	North	R1-1 (30")
@ 13 Mi. Rd.	North	1 Replace W3-1 (30") w/W3-1 (36")
⊕ 13 Mi. Rd. 0.979		
⊕ 13 Mi. Rd. 0.000		
@ 13 Mi. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 13 Mi. Rd.	South	1 Replace R1-1 (30")
@ 13 Mi. Rd.	South	1 Replace W3-1 (30") w/W3-1 (36")
@ Eden St.	South	3 Replace (2) G3-11 w/(2) D3-1
⊕ Eden St. 0.112		
@ Eden St.	South	1 Raise R1-1 (24") to 5' B.H.
1.330	South	1 Relocated R2-5c (24")
1.428	South	2 Replace R2-1 (24")(45 MPH) & R2-4-24 w/R2-5c (24") & relocate 515' W.
1.519	South	1 Relocated R2-1 (24")(45 MPH)
1.519	North	1 Relocated R2-3a (24")
1.663	South	1 Relocated R2-1 (24")(45 MPH) 760' W.
1.673	North	2 Replace R2-1 (24")(45 MPH) & "ENDS" panel w/R2-3a (24") & relocate 810' W.
2.148	South	1 Replace R2-1 (24")(45 MPH)
2.153	North	R2-1 (24")(45 MPH)
2.157	North	R7-1 (12")
2.174	South	R4-1 (24")
2.177	North	R7-1 (12")
@ 15 Mi. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
⊕ 15 Mi. Rd. 2.193		
⊕ 15 Mi. Rd. 0.000		

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WORK SHEET

Sheet 3 of 4

FAS 1819 (Michigan Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
6 15 MI. Rd.	South		R1-1 (30")
0.038	South	1	Remove W12-1-21 (40) from W1-2 (30")L
0.160	North		R4-2 (24")
0.176	South		W1-6 (48")
0.185	South		W1-6 (48")
0.195	South		W1-6 (48")
0.227	South	2	Replace W6-1a (36") w/W6-1 (30") & Plaque (24")
0.319	South		I6-3 (30")
0.334	North	2	Replace W4-5-36 w/W6-3 (30") & Plaque (24")
0.360	Median facing west	2	Replace R3-21-36 w/R4-7 (24") & Plaque (24")
0.360	Median facing east	1	Replace W4-2-36 w/W9-2 (36")R
0.369	South	2	Replace R3-27-24 w/R5-1 (30")
0.369	South		R5-9 (30")
0.381	North		R2-1 (24")(45 MPH)
0.385	Median		Type III O.M. (12"x36")L
Q 15 MI. Rd.			
0.390	North	1	Replace R6-1 (36")R
0.406	North		I6-3 (30")
0.411	Median		R3-7 (30")L
0.432	North	1	Replace W4-3-36 w/W4-2 (36")
0.451	North	1	Replace W6-2a (36") w/W6-2 (30) & Plaque (24")
0.481	North		W1-2 (36")R
0.481	Median		I6-3 (30")
0.504	North	1	Remove R2-4-24 from R2-1 (24")(45 MPH)
0.504	Median	1	Replace G3-26-30L w/R3-7 (30")L
0.555	Median		R5-1 (30") & R5-9 (30")

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STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

SPL Form - 61
(Rev. 8/72)

County Calhoun

Sheet 1 of 2

Route FAS 1819 (Michigan Avenue)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	2				
R1-1 (30")	3	1			1
R2-1 (24") (45 MPH)	5	1			1
R2-3a (24")	1		1		1
R2-5c (24")	1		1		1
R3-7 (30")L	2			1	1
R4-1 (24")	8				
R4-2 (24")	7				
R4-7 (24") & Plaque (24")	1		1		1
R5-1 (30")	2		1		1
R5-9 (30")	2				
R6-1 (36") R	1	1			1
R7-1 (12")	2				
W1-2 (30")L	1				
W1-2 (36")R	1				
W1-4 (30")R	2				
W1-6 (48")	3				
W3-1 (36")	2			2	2
W4-2 (36")	1			1	1
W6-1 (30") & Plaque (24")	1		1		1
W6-2 (30") & Plaque (24")	1			1	1
W6-3 (30") & Plaque (24")	1		1		1
W9-2 (36")R	1			1	1

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WORK SHEET

Sheet 1 of 1

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ BL I-94 0.000		Blacktop-Yellow Skip-No Pass Yellow
@ Columbia Ave.(Ext.)	South In Median	R1-1 (24")
@ Columbia Ave.(Ext.)	South In Median	W1-6 (48")
@ Columbia Ave.(Ext.)	South In Median	R5-9 (30")
@ Columbia Ave.(Ext.)	South In Median	I Erect R5-1 (30") facing east
@ Columbia Ave.(Ext.)	South	I Erect R5-1 (30") facing east
⊕ Columbia Ave.(Ext.) 0.057		
0.093	South	W8-6 (30")
0.191	North	W1-1 (36")R
0.219	South	I Replace R4-2 (24")
0.451	North	W8-6 (30")
@ Stevens Rd.	South	(?) D3-1
⊕ Stevens Rd. 0.510		
@ Stevens Rd.	South	R1-1 (30")
0.583	South	W1-2 (30")R
0.796	South	R7-1 (12")
0.836	South	R7-1 (12")
0.836	North	R7-1 (12")
0.880	South	R7-1 (12")
0.880	North	R7-1 (12")
0.919	South	R7-1 (12")
0.919	North	R7-1 (12")
0.960	North	R7-1 (12")
1.005	South	R7-1 (12")
1.005	North	R7-1 (12")
1.071	North	R7-1 (12")

WORK SHEET

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY	DESCRIPTION
1.071	South	1	Replace "NO PARKING BETWEEN SIGNS" w/R7-1 (12")
1.072	North		W1-2 (30")L
@ 2 Mi. Rd. 1.154			
@ 2 Mi. Rd.	South		R1-1 (30")
@ 2 Mi. Rd.	South	3	Erect (2) D3-1 on existing post
1.250	South	1	Replace R4-1 (24")
1.404	South	1	Replace R4-2 (24")
1.440	North	1	Replace R4-2 (24")
1.594	North		R4-1 (24")
1.700	South	1	Replace R4-1 (24")
1.886	South		R4-2 (24")
2.012	South	1	Replace R2-1 (24")(45 MPH) & R2-4-24 w/R2-5c (24")
2.083	North		R4-1 (24")
2.091	South	3	Replace DI-1 ← AIRPORT
2.148	North	1	Replace R2-1 (24")(45 MPH) & "ENDS" panel w/R2-3a (24")
@ 3 Mi. Rd. (Helmer Rd.)	North		(2) D3-1
@ 3 Mi. Rd. (Helmer Rd.) 2.174			
@ 3 Mi. Rd. (Helmer Rd.) 0.000			
0.036	South		R2-1 (24")(45 MPH)
0.095	North	3	Replace DI-1 AIRPORT →
0.227	South	2	Replace W9-1-36 w/S1-1 (36")
0.233	North	2	Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH)
0.309	North	1	Remove W4-2-36
0.319	South	1	Remove R2-1 (18")(45 MPH)
@ S. 31st St.	North		(2) D3-1
@ S. 31st St.	North		R1-1 (24")

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WORK SHEET

Sheet 3 of 17

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ S. 31st St. 0.321		
@ S. 30th St.	North	(2) D3-1
@ S. 30th St.	North	R1-1 (24")
⊕ S. 30th St. 0.385		
0.421	North	1 Replace W4-3-36 w/W4-2 (36")
0.426	South	3 Replace I7-1 (48")
@ S. 29th St.	North	(2) D3-1
@ S. 29th St.	North	R1-1 (24")
⊕ S. 29th St. 0.450		
0.498	North	1 Relocated R2-1 (24") (45 MPH)
@ S. 28th St.	North	(2) D3-1
@ S. 28th St.	South	(2) D3-1
⊕ S. 28th St. 0.517		
@ S. 28th St.	South	1 Replace R1-1 (24")
0.536	North	1 Relocate R2-1 (24") (45 MPH) 200' W.
0.574	South	R2-1 (24") (45 MPH)
0.576	South	R7-2 (12")
0.632	North	2 Replace W9-1-36 w/S1-1 (36")
@ S. 26th St.	North	(2) D3-1
@ S. 26th St.	North	R1-1 (30")
⊕ S. 26th St. 0.644		
0.690	South	R7-2 (12")
@ S. 25th St.	North	1 Replace R1-1 (24")
⊕ S. 25th St. 0.705		
@ S. 25th St.	North	(2) D3-1
0.742	North	R7-2 (12")

WORK SHEET

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
C @ S. 24th St. 0.772		Begin 4-Lane w/Double Yellow Center Line
@ S. 24th St.	North	(2) D3-1
@ S. 24th St.	South	R1-1 (24")
0.789	South	R2-1 (24") (45 MPH)
0.797	South	R7-2 (12")
0.852	North	R7-2 (12")
0.867	South	R7-2 (12")
@ S. 22nd St. 0.900		
@ S. 22nd St.	South	(2) D3-1
@ S. 22nd St.	South	R1-1 (24")
0.936	South	R7-2 (12")
0.936	North	R7-2 (12")
1.001	North	R2-1 (24") (45 MPH)
1.009	South	R7-2 (12")
1.009	North	R7-2 (12")
@ S. 20th St.	North	(2) D3-1
@ S. 20th St. 1.030		
@ S. 20th St.		(2) 3W-3C-SA STOP & GO
0.009	North	I Replace "STOP ON RED TURN RIGHT" sign w/R3-7 (30")R
0.021	South	R2-1 (24") (35 MPH)
0.045	North	I Erect R3-7 (30")R
0.047	South	R7-2 (12")
0.054	North	R7-2 (12")
0.122	North	R7-2 (12")
@ Woodrow Ave.	North	(2) D3-1
@ Woodrow Ave.	North	R1-1 (24")

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WORK SHEET

Sheet 5 of 1

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ Woodrow Ave. 0.127			
@ Woodrow Ave.	South		R1-1 (24")
0.139	South		R2-1 (24") (35 MPH)
0.142	South		R7-2 (12")
0.178	North	I	Replace R7-2 (12")
0.249	North		R7-2 (12")
@ Arbor St.	North		(2) D3-1
@ Arbor St.	North		R1-1 (30")
⊕ Arbor St. 0.259			
@ Arbor St.	South		R1-1 (30")
0.318	North		R7-2 (12")
0.326	North		"NO DUMPING" (24")
0.350	North		R2-1 (24") (35 MPH)
0.388	North		(2) I7-3 (back to back)
0.388	North	I	Rotate R7-2 (12") 90° to face W.Bd. traffic
@ LaVista Blvd.	North		(2) D3-1
@ LaVista Blvd.	North	I	Replace R1-1 (24")
⊕ LaVista Blvd. 0.402			
@ LaVista Blvd.	South		(2) D3-1
@ LaVista Blvd.	South		R1-1 (24")
0.413	South		R7-2 (12")
0.430	South	I	Replace R2-1 (24") (35 MPH)
0.449	South		R7-2 (12")
0.449	North		R7-2 (12")
@ Ferndale Ct.	South		(2) D3-1
⊕ Ferndale Ct. 0.455			

WORK SHEET

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ Ferndale Ct.	South	RI-1 (24")
0.481	South	I Replace R7-2 (12")
@ Lyndale Ct.	South	(2) D3-1
@ Lyndale Ct. 0.494		
@ Lyndale Ct.	South	RI-1 (24")
0.520	South	I Replace R7-2 (12")
@ Sylvan	South	(2) D3-1
@ Sylvan 0.534		
@ Sylvan	South	RI-1 (24")
0.557	South	R7-2 (12")
@ Romance St. 0.576		
@ Romance St.	South	RI-1 (24")
0.587	North	R7-2 (12")
@ Beckman Ave.	North	RI-1 (24")
@ Beckman Ave. 0.625		
@ Beckman Ave.	North	(2) D3-1
@ Menno Pl. 0.629		
@ Menno Pl.	South	RI-1 (24")
@ Menno Pl.	South	(2) D3-1
0.642	South	R7-2 (12")
0.661	North	R7-2 (12")
0.686	South	R7-2 (12")
@ Wa Wee Nork		
0.714		
@ Wa Wee Nork	South	I Replace RI-1 (24")
@ Wa Wee Nork	South	(2) D3-1
0.731	South	R7-2 (12")

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WORK SHEET

Sheet 7 of 14

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.738	North		R7-2 (12")
@ Hulbert La.	South		(2) D3-1
@ Hulbert La. 0.795			
@ Hulbert La.	South		R1-1 (24")
0.796	South	2	Replace W9-1-24 w/S1-1 (36")
0.796	North		R7-2 (12")
0.805	South		R7-2 (12")
0.805	North		R2-1 (24")(35 MPH)
@ Foster Ave.	North		R1-1 (24")
@ Foster Ave.	North		(2) D3-1
@ Foster Ave. 0.819			
0.843	South	1	Replace R2-1 (24")(35 MPH)
0.852	North		R7-2 (12")
0.861	South		R7-2 (12")
0.906	North		R7-2 (12")
@ Highland Ave.	North		R1-1 (24")
@ Highland Ave. 0.930			
@ Highland Ave.	North		(2) D3-1
@ Highland Ave.	South		R1-1 (24")
0.981	North	2	Replace W9-1-24 w/S1-1 (36")
0.994	South	1	Remove R3-8 (30")R from R7-2 (12")
1.004	North		R2-1 (24")(35 MPH)
1.006	North		R7-2 (12")
1.016	Overhead	1	Erect R3-6 (30")R over first lane from south curb.
1.016	Overhead	1	Erect R3-5a (30")L over second lane from south curb.
1.016	Overhead	1	Erect R3-5 (30")L over third lane from south curb.

WORK SHEET

FAS 1820 (W. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ Capital S.W.	North	(2) D3-1
@ Capital S.W.	North	1 Erect (2) R3-7 (30"R)
@ Capital S.W.	North Overhead	1 Erect R3-5 (30"R) over first lane from west curb.
@ Capital S.W.	North Overhead	1 Erect R3-5a (30") over second lane from west curb.
@ Capital S.W.	North Overhead	1 Erect R3-5 (30"L) over third lane from west curb.
Ⓞ Capital S.W. 1.028		(1) - 4W-3C-SA STOP & GO (4) - 2W-3C-SA STOP & GO
Ⓞ Capital S.W. 0.000	Overhead	(4) - R3-11a (27") mounted over 4W-3C-SA STOP & GO
0.000		Begin 5-lane section with a center lane for left turn only
@ Capital S.W.	South	(2) D3-1
@ Capital S.W.	South	1 Erect (2) R3-7-(30"R)
@ Capital S.W.	South Overhead	1 Erect R3-5 (30"R) over first lane from east curb.
@ Capital S.W.	South Overhead	1 Erect R3-5a (30") over second lane from east curb.
@ Capital S.W.	South Overhead	1 Erect R3-5 (30"R) over third lane from east curb.
0.008	Overhead	1 Erect R3-6 (30"R) over first lane from north curb.
0.008	Overhead	1 Erect R3-5a (30") over second lane from north curb.
0.008	Overhead	1 Erect R3-5 (30"L) over third lane from north curb.
0.008	Overhead	1 Erect R3-9a (36") facing west over third lane from north curb.
0.023	South	R7-2 (12")
0.032	North	1 Remove R3-8 (30"R)
0.034	South	2 Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")
0.051	South	R2-1 (24") (35 MPH)
0.066	North	R7-2 (12")
@ Grand Blvd.	North	R1-1 (30")
Ⓞ Grand Blvd. 0.129		
@ Grand Blvd.	North	(2) D3-1
0.142	South	R7-2 (12")

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WORK SHEET

Sheet 9 of 14

FAS 1820 (E. Columbia Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.152	South	2	Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")
0.170	North	1	Remove R2-1 (24") (35 MPH)
0.189	North		R7-2 (12")
0.200	South		R7-2 (12")
0.246	South	1	Remove R2-1 (24") (35 MPH)
0.250	Overhead	1	Erect (2) R3-9a (36") (back to back)
0.252	North	2	Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")
0.256	North		R7-2 (12")
0.264	South		R7-2 (12")
0.269	South	2	Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")
0.306	North		R7-2 (12")
@ Griffin St.	North		(2) D3-1
@ Griffin St.	North		R1-1 (24")
@ Griffin St. 0.313			
0.322	South		R7-2 (12")
0.369	North	2	Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")
0.388	South		R7-2 (12")
0.388	North		R7-2 (12")
0.406	South	2	Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")
@ Foster Dr.	North		R1-1 (24")
@ Foster Dr. 0.438			
@ Foster Dr.	North		(2) D3-1
0.459	South		R7-2 (12")
0.479	North		R2-1 (24") (35 MPH)
0.480	South	1	Remove R3-8 (30")
0.488	North	2	Replace "CENTER LANE FOR LEFT TURN ONLY" w/R3-9 (24")

WORK SHEET

Sheet 10 of 14

FAS 1820 (E. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.503	Overhead	1 Erect R3-5a (30") over second lane from south curb.
0.503	Overhead	1 Erect R3-5 (30")L over third lane from south curb.
0.503	Overhead	1 Erect R3-9a (36") facing east over third lane from south curb.
@ Riverside Dr.	North	(2) D3-1
@ Riverside Dr. 0.518		(2) 4W-3C-SS STOP & GO
@ Riverside Dr. 0.000		
0.011	North	1 Erect R3-7 (30")R
0.022	Overhead	1 Erect R3-5 (30")R over first lane from north curb.
0.022	Overhead	1 Erect R3-5a (30") over second lane from north curb.
0.022	Overhead	1 Erect R3-5 (30")L over third lane from north curb.
0.025	South	R2-1 (24")(45 MPH)
0.052	North	1 Erect R3-7 (30")R
0.082		Begin 4-Lane w/Double Yellow Center Line
@ Acacia Blvd. 0.095		
@ Acacia Blvd.	South	(2) D3-1
@ Acacia Blvd.	South	1 Replace R1-1 (24")
0.156	South	1 Remove R2-1 (24")(45 MPH)
@ Co. Rd. 0.179		
@ Co. Rd.	South	R1-1 (24")
0.187	South	1 Remove "TRAFFIC ISLAND AHEAD" sign
0.189	North	R2-1 (24")(45 MPH)
0.337	On Island	1 Replace R4-7a(36") w/R4-7(24") & Plaque(24")
0.341	South	1 Replace W8-6 (30")
@ I-94 & I-66 0.476		
0.606	On Island	1 Replace R4-7a(36") w/R4-7(24") & Plaque(24")
0.614	North	W8-6 (30")

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WORK SHEET

Sheet 11 of 1

FAS 1820 (E. Columbia Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Auburn	North		R1-1 (30")
⊕ Auburn 0.617			
@ Auburn	South	3	Replace (2) G3-11 w/(2) D3-1
@ Auburn	South		R1-1 (24")
0.634	South		R2-1 (24") (45 MPH)
0.634	North	1	Erect R2-1 (24") (45 MPH)
@ Pawnee	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Pawnee 0.692			
@ Pawnee	South		R1-1 (30")
@ South Shore Dr.	North	3	Replace (2) G3-11 w/(2) D3-1
@ South Shore Dr.	North		R1-1 (24")
⊕ South Shore Dr. 0.722			
@ Cherokee	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Cherokee 0.738			
@ Cherokee	South		R1-1 (30")
0.769	North	1	Remove "TRAFFIC ISLAND AHEAD" sign
0.847	South		W8-6 (30")
0.936	South	1	Remove W5-1 (30")
0.938	South	1	Erect Type III O.M. (24"x48")L
0.970	North	1	Erect Type III O.M. (24"x48")L
0.984	North		R2-1 (24") (45 MPH)
0.988	South	3	Replace D1-1 ← BATTLE CREEK
@ Subdivision Rd.	North	1	Erect P1-1 (24")
⊕ Subdivision Rd. 0.997			
1.044	North		W8-6 (30")
⊕ 6 1/2 Mi. Rd. 1.060			(2) 4W-3C-SA STOP & GO

WORK SHEET

FAS 1820 (E. Columbia Ave.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ 6 1/2 MI. Rd.		
⊕ 6 1/2 MI. Rd.	North	3 Replace (2) G3-11 w/(2) D3-1
0.017	South	2 Replace R2-1 (18") (50 MPH) w/R2-1 (24") (50 MPH)
0.095	South	1 Replace W4-3-36 w/W4-2 (36")
⊕ Jericho	North	3 Replace (2) G3-11 w/(2) D3-1
⊕ Jericho	North	RI-1 (24")
⊕ Jericho 0.104		
0.122	North	1 Remove W3-3a (36")
0.179	South	1 Replace W4-2-36 w/W9-2 (36")L
⊕ Euclid Ave.	North	RI-1 (30")
⊕ Euclid Ave. 0.238		Begin 2-Lane w/Yellow Skip
⊕ Euclid Ave.	North	3 Replace (2) G3-11 w/(2) D3-1
0.260	South	1 Relocated D3-2 "GRENVILLE ST."
0.293	North	1 Relocate (1) D3-2 "GRENVILLE ST." to south side and relocate 175' W.
0.293	North	1 Relocate (1) D3-2 (GRENVILLE ST.) 320' E.
⊕ Grenville St.	North	RI-1 (24")
⊕ Grenville St. 0.307		
⊕ Grenville St.	North	3 Replace (2) G3-11 w/(2) D3-1
0.354	North	1 Relocated D3-2 "GRENVILLE ST."
⊕ Nelson	North	RI-1 (24")
⊕ Nelson 0.387		
⊕ Nelson	North	3 Replace (2) G3-11 w/(2) D3-1
⊕ Marjore	North	RI-1 (24")
⊕ Marjore 0.455		
⊕ Marjore	North	3 Replace (2) G3-11 w/(2) D3-1
0.511	North	1 Replace R2-1 (18") (50 MPH) w/R2-1 (24") (50 MPH)

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FAS 1820 (E. Columbia Ave.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Inn	North		R1-1 (24")
⊙ Inn 0.535			
@ Inn	North	3	Replace (2) G3-1 w/(2) D3-1
0.558	South	1	Replace R2-1 (18")(50 MPH) w/R2-1(24")(50 MPH)
@ Vale St.	North	1	Replace R1-1 (24")
@ Vale St.	North	3	Replace (2) D3-1
⊙ Vale St. 0.751			
@ Vale St.	South	1	Replace R1-1 (24")
0.755	South	1	Relocated D3-2 "JAMES ST."
@ James St.	North	1	Replace R1-1 (24")
@ James St.	North	1	Relocate (1) D3-2 "JAMES ST." to south side & relocate 375' W.
@ James St.	North	1	Relocate (1) D3-2 "JAMES ST." 550' E.
@ James St.	North		(2) D3-1
⊙ James St. 0.826			
0.930	North	1	Relocated D3-2 "JAMES ST."
0.966	North	1	Replace R2-1 (18")(50 MPH) w/R2-1 (24")(50 MPH)
@ Hannah St.	North	3	Replace (2) D3-1
@ Hannah St.	North	1	Replace R1-1 (24")
⊙ Hannah St. 0.984			
1.018	South	1	Replace R2-1 (18")(50 MPH) w/R2-1 (24")(50 MPH)
1.042	North		R7-1 (12")
1.080	North		R7-1 (12")
1.080	South	1	Raise W1-2 (30")R to 5' B.H.
1.113	South		R7-1 (12")
1.153	South		R7-1 (12")
1.155	North		R7-1 (12")

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Route FAS 1820 (W. Columbia Ave.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	38	9		1	10
RI-1 (30")	10				
RI-2 (36")	1		1		1
R2-1 (24") (35 MPH)	9	2			2
R2-1 (24") (45 MPH)	11		1	1	2
R2-1 (24") (50 MPH)	7		3	4	7
R2-3a (24")	1			1	1
R2-5c (24")	1			1	1
R3-5 (30")R	4			4	4
R3-5 (30")L	5			5	5
R3-5a (30")	6			6	6
R3-6 (30")R	3			3	3
R3-7 (30")R	8			8	8
R3-9 (24")	7		7		7
R3-9a (36")	4			4	4
R3-11a (27")	4				
R4-1 (24")	4	2			2
R4-2 (24")	4	3			3
R4-7 (24") & Plaque (24")	2			2	2
R5-1 (30")	2			2	2
R5-9 (30")	1				
R7-1 (12")	27	4		1	5
R7-2 (12")	49	3			3
"NO DUMPING" (24")	1				

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Route FAS 1820 (W. Columbia Ave.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
2W-3C-SA STOP & GO	4				
3W-3C-SA STOP & GO	2				
4W-3C-SA STOP & GO	3				
4W-3C-SS STOP & GO	2				
W1-1 (36")P	1				
W1-2 (30")R	2				
W1-2 (30")L	1				
W1-6 (48")	1				
W2-2 (30")R	1				
W4-2 (36")	2			2	2
W8-6 (30")	8	1			1
W9-2 (36")L	1			1	1
Type III O.M. (24" x 48")L	2			2	2
SI-1 (36")	4		4		4
DI-1	3			3	3
D3-1	96			30	30
D3-2	5			1	1
I7-1 (48")	1			1	1
I7-3	2				
TOTAL	350	24	16	83	123

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WORK SHEET

Sheet 1 of 7

FAS 1821 (Capital S.W.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ D Dr. S.	West	1	Remove R1-2-36
@ D Dr. S.	West	1	Remove W3-2 (36")
@ D Dr. S.	South		W1-7 (48")
@ D Dr. S.	South	1	Replace Special Sign Background (180"x60")
Q D Dr. S. 0.000			Blacktop-White Skip-No Pass Yellow
@ D Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
@ D Dr. S.	West	1	Erect R1-1 (36")
0.066	East		R2-1 (24")(45 MPH)
0.077	West	1	Remove W2-4 (30")
0.161	West		W3-1 (36")
0.423	West	1	Remove R2-1 (24")(45 MPH)
0.595	West		R2-1 (24")(45 MPH)
@ Paradise Rd.	East		(2) D3-1
Q Paradise Rd. 0.636			
@ Paradise Rd.	East		R1-1 (24")
0.669	East		R2-1 (24")(45 MPH)
0.747	East		R4-1 (24")
0.819	East	1	Erect W13-1 (18")(30 MPH) on W1-3 (30")R
0.838	West	1	Relocate R2-1 (24")(45 MPH) 325' N.
0.842	East	2	Replace W9-2-36 w/ S2-1 (36") & Reloc. to painted crosswalk
0.900	West	1	Relocated R2-1 (24")(45 MPH)
Q Capital S.W. (Ext.) 0.937			
@ Capital S.W. (Ext.)	West		R1-1 (24")
0.953	West	2	Replace R4-2 (18") w/R4-2 (24")
@ B Dr. S.	East		R1-1 (24")
Q B Dr. S. 1.020			

WORK SHEET

Sheet 2 of 7

FAS 1821 (Capital S.W.)


REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊙ B Dr. S. 0.000		Blacktop
⊙ B Dr. S.	West	2 Replace R1-2-36 w/R1-2 (36")
0.019	West	1 Remove G3-31-21
⊙ Capital S.W. (Ext.)	East	R1-1 (24")
⊙ Capital S.W. (Ext.) 0.049		
0.087	East	1 Erect R2-1 (24")(45 MPH
0.123	West	1 Erect W13-1 (18")(30 MPH) on W1-3 (30")R & Relocate 100' N.
0.131	West	2 Replace W9-2-36 w/S2-1 (36") & relocate to Painted Crosswalk
0.142	West	1 Relocated W1-3 (30")R & W13-1 (18")(30 MPH)
0.238	East	R4-1 (24")
0.461	East	1 Remove R2-1 (18")(45 MPH)
0.461	West	1 Remove R4-2 (18")(45 MPH)
0.572	East	2 Replace R4-2 (18") w/R4-2 (24")
0.700	West	1 Relocated R2-1 (24")(45 MPH)
⊙ Hoag Rd.	East	3 Replace (2) G3-11 w/(2) D3-1
⊙ Hoag Pd. 0.709		
⊙ Hoag Rd.	East	R1-1 (24")
0.747	East	1 Relocated R2-1 (24")(45 MPH)
0.769	West	2 Replace R4-1 (18") w/R4-1 (24")
0.838	East	1 Relocate R2-1 (24")(45 MPH) 480' S.
0.838	West	1 Relocate R2-1 (24")(45 MPH) 725' S.
1.026	East	R4-1 (24")
1.188	East	1 Replace R4-2 (18") w/R4-2 (24")
1.213	West	2 Replace R4-2 (18") w/R4-2 (24")
1.265	East	2 Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH)
1.265	West	2 Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH)

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WORK SHEET

Sheet 3 of 7

FAS 1821 (Capital S.W.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.356	East	3	Replace "WELCOME TO TOWNSHIP OF BATTLE CREEK NO PARKING 2AM TO 6AM" w/T2-2a
1.392	West	2	Replace R4-1 (18") w/R4-1 (24")
1.652	East	2	Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH)
1.652	West	2	Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH)
1.792	East	2	Replace R4-1 (18") w/R4-1 (24")
1.968	East	1	Remove R2-1 (18")(35 MPH)
1.981	West	2	Replace R4-2 (18") w/R4-2 (24")
1.989	West	2	Replace R2-1 (18")(45 MPH) w/R2-1 (24")(45 MPH) & Relocate 115' N.
2.200	West	1	Relocated R2-1 (24")(45 MPH)
⊕ B Dr. N. (Beckley Rd.) 2.235			
⊕ B Dr. N. (Beckley Rd.) 0.000			
0.017	East		W8-6 (30")
0.030	East	1	Erect R2-1 (24")(35 MPH)
⊕ I-94 0.065			
@ Knapp Dr.	West		(2) D3-1
@ Knapp Dr.	West		R1-1 (30")
⊕ Knapp Dr. 0.137			
@ Knapp Dr.	West	3	Replace (2) G2-2  (back to b) w/(2) D1-1
0.189	West		W8-6 (30")
@ Mason Rd.	West		R1-1 (24")
@ Mason Rd.	West		(2) D3-1
⊕ Mason Rd. 0.326			
⊕ Christy Rd. 0.369			
@ Christy Rd.	East		R1-1 (24")
@ Christy Rd.	East		(2) D3-1
0.398	East	2	Replace R2-1 (18")(35 MPH) w/R2-1 (24")(35 MPH)

WORK SHEET

Sheet 4 of 7

FAS 1821 (Capital S.W.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION	
0.398	West	1	Erect R2-1 (24")(35 MPH)
⊕ Rebecca Rd. 0.440			
⊕ Rebecca Rd.	East		RI-1 (24")
⊕ Rebecca Rd.	East		(2) D3-1
⊕ Adams Rd.	West	1	Replace RI-1 (24")
⊕ Adams Rd.	West		(2) D3-1
⊕ Adams Rd. 0.501			
⊕ Beckwith Rd. 0.511			
⊕ Beckwith Rd.	East		RI-1 (24")
⊕ Beckwith Rd.	East		(2) D3-1
0.617	West	2	Replace R2-1 (18")(35 MPH) w/R2-1 (24")(35 MPH)
0.629	East	2	Replace R2-1 (18")(35 MPH) on R2-1 (24")(35 MPH)
⊕ Langley Rd.(W.)	West		(2) D3-1
⊕ Langley Rd.(W.)	West		RI-1 (24")
⊕ Langley Rd.(W.)0.631			
⊕ Langley Rd.(E.)0.638			
⊕ Langley Rd.(E.)	East		RI-1 (24")
⊕ Langley Rd.(E.)	East		(2) D3-1
0.705	East	2	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
⊕ Hamilton La.	West		(2) D3-1
⊕ Hamilton La.	West		RI-1 (24")
⊕ Hamilton La.	East		(2) D3-1
⊕ Hamilton La. 0.758			
⊕ Hamilton La.	East		RI-1 (24")
0.834	West	2	Replace R2-1 (18")(35 MPH) w/R2-1 (24")(35 MPH)
0.838	East	1	Remove "SLOW CHILDREN" sign

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WORK SHEET

Sheet 5 of

FAS 1821 (Capital S.W.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ Wah-Wah-Tay-See Way 0.921			
@ Wah-Wah-Tay-See Way	East		RI-1 (24")
@ Wah-Wah-Tay-See Way	East		(2) D3-1
0.962	East	1	Replace R2-1 (18")(35 MPH) w/R2-1 (24") (35 MPH) & relocate 550' N.
@ Mingles Rd.	West		RI-1 (24")
⊕ Mingles Rd. 1.028			
⊕ Mingles Rd. 0.000			
@ Mingles Rd.	West		(2) D3-1
@ Mingles Rd.	East		(2) D3-1
@ Mingles Rd.	East		RI-1 (24")
0.037	East	1	Remove "WELCOME TO TOWNSHIP OF PATTLE CREEK NO PARKING 2AM TO 6AM" sign
0.036	West	1	Remove R2-1 (18")(35 MPH)
0.038	East	1	Relocated R2-1 (24")(35 MPH)
0.063	West	1	Remove "SLOW CHILDREN" sign
@ Williams Dr.	East		(2) D3-1
⊕ Williams Dr. 0.075			
@ Williams Dr.	East		RI-1 (24")
0.150	West	1	Remove R2-1 (18")(35 MPH)
⊕ Oakland Pl. 0.152			
@ Oakland Pl.	East	1	Replace RI-1 (24")
@ Oakland Pl.	East		(2) D3-1
0.172	East	1	Remove R2-1 (18")(35 MPH)
0.172	West	2	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
@ Southhill Dr.	East		(2) D3-1
⊕ Southhill Dr. 0.217			
@ Southhill Dr.	East	1	Replace RI-1 (24")

WORK SHEET

FAS 1821 (Capital S.W.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Frances Dr.	East		(?) D3-1
@ Frances Dr. 0.284			
@ Frances Dr.	East	1	Replace R1-1 (24")
@ Westway Pl.	East		(?) D3-1
@ Westway Pl. 0.384			
@ Westway Pl.	East	1	Replace R1-1 (24")
0.480	West	1	Erect R2-1 (24") (35 MPH)
@ Country Club Blvd.	East	3	Replace (?) D3-1
@ Country Club Blvd.	West	1	Replace R1-1 (24")
@ Country Club Blvd. 0.507			
@ Country Club Blvd.	West		(?) D3-1
@ Country Club Blvd.	East	1	Replace R1-1 (24")
0.522	East	1	Replace R2-1 (18") (35 MPH) w/R2-1 (24") (35 MPH)
@ Cascade Dr.	West		(?) D3-1
@ Cascade Dr.	West		R1-1 (24")
@ Cascade Dr. 0.596			
@ Meadow Dr.	East		(?) D3-1
@ Meadow Dr. 0.682			
@ Meadow Dr.	East		R1-1 (24")
@ Loch Haven Ln.	West		R1-1 (30")
@ Loch Haven Ln.	West		(?) D3-1
@ Loch Haven Ln. 0.712			
@ Rock Creek Ln.	West		(?) D3-1
@ Rock Creek Ln.	West		R1-1 (30")
@ Rock Creek Ln. 0.796			
0.862	East		"NO DUMPING" (24")

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Route FAS 1821 (Capital S.W.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	30	8			8
R1-1 (30")	3				
R1-1 (36")	1			1	1
R1-2 (36")	1		1		1
R2-1 (24") (35 MPH)	12		5	7	12
R2-1 (24") (45 MPH)	12		5	1	6
R4-1 (24")	7		3	1	4
R4-2 (24")	6		5	1	6
"NO DUMPING" (24")	2				
W1-3 (30")R	2				
W1-7 (48")	1				
W3-1 (36")	1				
W8-6 (30")	2				
W13-1 (18") (30 MPH)	2			2	2
Special Sign Background (180"x60")	1	1			1
S2-1 (36")	4		4		4
D1-1	2			2	2
E3-1	6			5	5
I2-2a	1			1	1
I3-2	2			2	2
TOTAL	153	9	23	23	55

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WORK SHEET

Sheet 1 of 1

~~XXX~~ County Primary (6 1/2 Mi. Rd.)(E. Main St.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
Ⓞ Columbia Ave. 0.000		Blacktop
0.028	East	1 Erect R2-1 (24") (25 MPH)
@ Richmond	East	3 Replace (2) G3-11 w/(2) D3-1
Ⓞ Richmond 0.105		
@ Richmond	East	RI-1 (24")
0.140	West	"NO PARKING 12 NOON TO 9 PM" (12")
@ Bonita	West	3 Replace (2) G3-11 w/(2) D3-1
@ Bonita	West	RI-1 (24")
Ⓞ Bonita 0.150		Begin 4-Lane Blacktop
@ Lyda	East	3 Replace (2) G3-11 w/(2) D3-1
Ⓞ Lyda 0.165		
@ Lyda	East	1 Relocate RI-1 (24") 20' W.
0.172	East	"NO PARKING 12 NOON TO 9 PM" (12")
0.178	West	"NO PARKING 12 NOON TO 9 PM" (12")
@ Aiden	West	3 Replace (2) G3-11 w/(2) D3-1
@ Aiden	West	RI-1 (24")
Ⓞ Aiden 0.214		
@ Aiden	East	1 Replace RI-1 (24")
@ Aiden	East	3 Replace (2) G3-11 w/(2) D3-1
0.225	East	R7-5 (12")
0.225	East	1 Replace "NO PARKING 12 NOON TO 9 PM" (12")
0.231	West	R7-1 (12")
0.243	East	1 Replace "NO PARKING 12 NOON TO 9 PM" (12")
0.250	West	"NO PARKING 12 NOON TO 9 PM" (12")
0.267	West	"NO PARKING 12 NOON TO 9 PM" (12")
0.271	East	1 Replace "NO PARKING 12 NOON TO 9 PM" (12")

WORK SHEET

Sheet 1 of 4

~~XXX~~ ~~RAS~~ County Primary (9 1/2 Mile Rd.)(Wattles Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ R.R. Overpass 0.000		Blacktop
0.008	Last	1 Replace Type III O.M. (9"x36") R w/Type III O.M. (24"x48")R
0.008	West	1 Replace Type III O.M. (12" x36")L w/Type III O.M. (24"x48")L
0.012	West	1 Replace (3) (24"x24") Panels w/(1) WI-6 (96")
0.020	West	1 Replace (24"x18") panel w/WI-6 (48")
0.050	West	1 Erect W5-3 (30")
0.070	West	R12-1 (18")(3 TON) & "ON BRIDGE AHEAD" (18")
0.078	East	1 Remove (24"x18") panel
@ F Dr. N.	East	1 Replace RI-2-36 w/RI-1 (30")
⊕ F Dr. N. 0.093		Begin White Skip-No Pass Yellow
@ F Dr. N.	East	3 Replace (2) G3-11 w/(2) D3-1
@ F Dr. N.	East	1 Erect WI-7 (48")
0.114	West	1 Remove W5-3 (24")
0.122	East	R2-1 (24")(35 MPH)
0.141	West	W2-2 (30")R
0.160	West	1 Erect W13-1 (18")(40 MPH) on WI-2 (30")L
@ Ashley Ct.	West	3 Replace (2) G3-11 w/(2) D3-1
@ Ashley Ct.	West	1 Erect RI-1 (24")
⊕ Ashley Ct. 0.415		
@ Jono	East	3 Replace (2) G3-11 w/(2) D3-1
⊕ Jono 0.507		
@ Jono	East	1 Replace RI-2-36 w/RI-1 (24")
0.530	East	R2-1 (24")(35 MPH)
0.545	West	R2-1 (24")(35 MPH)
@ Crosley	West	3 Replace (2) G3-11 w/(2) D3-1
@ Crosley	West	1 Replace RI-2-36 w/RI-1 (24")

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Sheet 2 of 2

~~XXX~~ County Primary (9 1/2 Mi. Rd.)(Wattles Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ Crosley	East	1	Erect W1-7 (48")
⊕ Crosley 0.580			
@ Boyer	West	3	Replace (2) G3-11 w/(2) D3-1
@ Boyer	West		R1-1 (24")
@ Boyer	East	1	Erect W1-7 (48")
⊕ Boyer 0.712			
⊕ Beaumont 0.788			
@ Beaumont	East	3	Replace (1) G3-11 "BEAUMONT" w/D3-1
@ Beaumont	East	3	Erect (1) D3-1
@ Beaumont	East		R1-1 (24")
0.850	East	2	Replace W9-1-30 w/S1-1 (36")
0.885	West	1	Relocated R2-1 (24")(35 MPH)
0.908	East	1	Relocate R2-1 (24")(25 MPH) 250' N.)
@ Cherry St.	West	1	Erect R1-1 (24")
⊕ Cherry St. 0.923			
@ Cherry St.	East	3	Erect (2) D3-1
0.932	West	1	Relocate R2-1 (24")(35 MPH) 250' S.
0.955	East	1	Relocated R2-1 (24")(25 MPH)
@ Herman Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
⊕ Herman Rd. 0.965			
@ Herman Rd.	East		R1-1 (24")
1.075	West		R2-1 (24")(25 MPH)
⊕ Wallace (L.) 1.082			
@ Wallace (E.)	East	1	Replace R1-1 (24")
@ Wallace (E.)	East	3	Replace (2) G3-11 w/(2) D3-1
@ Wallace (W.)	West	1	Erect R1-1 (24")

WORK SHEET

~~XXX~~ County Primary (9 1/2 Mi. Rd.) (Wattles Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ Wallace (W.) 1.088			
1.107	West	2	Replace W9-1-30 w/SI-1 (36")
☉ E. Michigan Ave. 1.130			
☉ E. Michigan Ave. 0.000			
@ E. Michigan Ave.	East	3	Replace (2) G3-11 w/(2) D3-1
0.038	East	1	Replace R2-1 (24")(35 MPH) w/R2-1 (24")(40 MPH)
☉ Alexander 0.070			
@ Alexander	East		RI-1 (24")
@ Alexander	East	3	Replace (2) G3-11 w/(2) D3-1
@ Niblett	East	3	Replace (2) G3-11 w/(2) D3-1
☉ Niblett 0.133			
@ Niblett	East		RI-1 (24")
0.189	West	1	Erect R2-5c (24")
@ Olive	West	3	Replace (2) G3-11 w/(2) D3-1
@ Olive	West	1	Replace RI-1 (24")
☉ Olive 0.197			
0.568	East	1	Replace R2-1 (24")(35 MPH) w/R2-1 (24")(40 MPH)
0.568	West	1	Erect R2-1 (24")(40 MPH)
@ Ruble Dr.	West	1	Erect RI-1 (24")
☉ Ruble Dr. 0.636			
@ Ruble Dr.	West	3	Replace (2) G3-11 w/(2) D3-1
☉ East Hill Dr. 0.798			
@ East Hill Dr.	East	1	Replace RI-1 (24")
@ East Hill Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
@ S. Keathley Dr.	West	3	Replace (2) G3-11 w/(2) D3-1
@ S. Keathley Dr.	West		RI-1 (24")

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QUANTITY SHEET

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County Calhoun

Sheet 1 of 1

Route County Primary (9-1/2 Mile Rd.) (Wattles Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	16	3		6	9
R1-1 (30")	2			1	1
R2-1 (24") (25 MPH)	2				
R2-1 (24") (35 MPH)	4				
R2-1 (24") (40 MPH)	6			6	6
R2-5c (24")	1			1	1
R12-1 (18") (3 TON)	1				
"ON BRIDGE AHEAD" (18")	1				
W1-2 (30")L	1				
W1-6 (48")	1			1	1
W1-6 (96")	1			1	1
W1-7 (48")	3			3	3
W2-2 (30")R	1				
W3-1 (36")	1			1	1
W5-3 (30")	1			1	1
W13-1 (18") (40 MPH)	1			1	1
Type III O.M. (24" x 48")R	1			1	1
Type III O.M. (24" x 48")L	1			1	1
S1-1 (36")	2		2		2
D3-1	35			35	35
TOTAL	82	3	2	59	64

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WORK SHEET

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~~PA6~~ County Primary (10 Mile Rd.) (Pine Lake Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
Q O Dr. N. (Pennfield Rd.) 0.000			Blacktop-Yellow Skip-No Pass Yellow
0.150	West		W2-2 (30")R
0.362	East		W2-2 (30")R
0.482	East	1	Relocate R2-1 (24")(45 MPH) 300' N.
0.482	West		R2-1 (24")(45 MPH)
Q Clear Lake Rd. 0.509			
Q Clear Lake Rd. 0.000			
@ Clear Lake Rd.	West	1	Erect W1-7 (48")
@ Clear Lake Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
@ Clear Lake Rd.	East	1	Replace R1-2-36 w/R1-1 (30")
0.030	East	1	Relocated R2-1 (24")(45 MPH)
0.496	East		R2-1 (24")(45 MPH)
0.496	West		R2-1 (24")(45 MPH)
Q Morse Rd. 0.571			
@ Morse Rd.	East	1	Erect R1-1 (24")
@ Morse Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
0.606	East		W2-2 (30")R
@ Crase Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
Q Crase Rd. 0.771			
@ Crase Rd.	East	1	Erect R1-1 (24")
0.824	East	1	Erect W13-1 (18")(30 MPH) on W1-5 (30")R
0.918	West		W2-2 (30")L
0.992	East		R2-1 (24")(45 MPH)
0.992	West		R2-1 (24")(45 MPH)
1.492	East	1	Replace W2-2 (30")L
1.534	West		W1-6 (48")

WORK SHEET

Sheet 2 of 3

~~PR~~ County Primary (10 Mile Rd.)(Pine Lake Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
1.542	West		R2-1 (24")(45 MPH)
1.580	East		R2-1 (24")(45 MPH)
1.635	West	1	Erect W13-1 (18")(30 MPH) on W1-5 (30")L
1.642	West	1	Replace "NO DUMPING" sign
@ Huntington Rd.	West	3	Replace (2) G3-11 w/(2) D3-1
@ Huntington Rd.	West		R1-1 (24")
@ Huntington Rd.	West		W3-1 (30")
@ Huntington Rd.	East		W1-7 (48")
Q Huntington Rd. 1.667			
Q Huntington Rd. 0.000			
0.034	East	1	Remove W2-2 (30")R
0.080	West		W2-2 (30")R
@ Lynch Rd.	East	3	Replace (2) G3-11 w/(2) D3-1
Q Lynch Rd. 0.093			
@ Lynch Rd.	East	1	Replace R1-2-36 w/R1-1 (30")
@ Lynch Rd.	East	1	Replace W3-2 (30") w/W3-1 (36")
@ Lynch Rd.	West	1	Erect W1-7 (48")
0.123	East		W2-2 (30")L
0.172	East	1	Replace W1-6 (48")
0.176	West		W2-2 (30")L
@ Co. Rd.	East		W1-7 (48")
@ Co. Rd.	West		R1-1 (24")
@ Co. Rd.	West	1	Replace W2-4 (30") w/W3-1 (30")
Q Co. Rd. 0.213			
@ Co. Rd.	West	3	Erect (2) D3-1
0.225	West	1	Replace W1-6 (48")

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WORK SHEET

Sheet 1 of 1

~~XX~~ ~~RAS~~ County Primary (12 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ B Dr. S.	0.000	Blacktop - White Sklp - No Pass Yellow
	0.146	West Remove W2-2 (30")R
	0.347	East Replace W2-2 (30")R
@ A Dr. S.	East	(?) D3-1
⊕ A Dr. S.	0.492	
@ A Dr. S.	East	R1-1 (30")
@ A Dr. S.	East	Remove W2-4 (30")
	0.659	West Remove W2-2 (30")L
	1.356	East Replace W2-2 (30")R
⊕ A Dr. N.	1.500	
⊕ B Dr. N.	0.000	Blacktop - White Sklp - No Pass Yellow
	0.183	West Relocate W2-2 (30")R 100' N.
	0.202	West Relocated W2-2 (30")R
	0.255	East Relocated R2-5c (24")
	0.407	East Replace R2-1 (24") (25 MPH) & R2-4-24 w/R2-5c (24") & relocate 800' S.
	0.507	West Remove "SLOW" sign
	0.550	West Erect R2-3a (24")
	0.554	East R2-1 (24") (25 MPH)
	0.557	East Erect Type III O.M. (12"x36")L
	0.557	West Erect Type III O.M. (12"x36")R
	0.600	East Erect Type III O.M. (12"x36")R
	0.600	West Erect Type III O.M. (12"x36")L
@ C Dr. N.	East	(?) D3-1
⊕ C Dr. N.	0.634	
@ C Dr. N.	East	R1-1 (24")
⊕ Pierce St.	0.714	

WORK SHEET

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Sheet 2 of 3

~~RAS~~ County Primary (12 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ Pierce St.	East	1 Erect RI-1 (24")
@ Pierce St.	East	(2) D3-1
@ Church	West	1 Erect RI-1 (24")
☉ Church 0.751		
@ Church	West	(2) D3-1
0.767	East	1 Replace W10-1 (36") & relocate 90' N.
0.784	East	1 Relocated W10-1 (36")
☉ N. Court St.	East	(2) D3-1
☉ N. Court St. 0.788		
☉ N. Court St. 0.000		
@ N. Court St.	East	1 Erect RI-1 (24")
0.025	East	1 Erect R2-3a (24")
0.025	West	R251 (24") (25 MPH)
@ E Dr. N.	West	3 Replace (2) G3-1 w/(2) D3-1
@ E Dr. N.	West	2 Replace RI-2-30 w/RI-2 (36")
☉ E Dr. N. 0.057		
0.061	East	2 Replace W10-2 w/RI5-1 & "2 TRACKS" w/RI5-2
0.078	West	2 Replace W10-2 w/RI5-1 & "2 TRACKS" w/RI5-2
0.137	West	W10-1 (36")
0.150	West	1 Replace R2-1 (24") (25 MPH) & R2-4-24 w/ R2-5c (24") & Relocate 750' N.
0.263	East	1 Erect W13-1 (18") (40 MPH) on W1-4 (30")R
0.292	West	1 Relocated R2-5c (24")
0.777	West	1 Erect W13-1 (18") (40 MPH) on W1-4 (30")R
0.804	East	1 Replace W3-1 (30") w/W3-1 (36")
0.923	East	1 Remove RI-1 (24")
@ Michigan Ave.	East	RI-1 (36")

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Route County Primary (12 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	4			2	2
R1-1 (30")	1				
R1-1 (36")	1				
R1-2 (36")	1				1
R2-1 (24") (25 MPH)	2				
R2-3a (24")	2			2	2
R2-5c (24")	2			2	2
R15-1	2		2		2
R15-2	2		2		2
W1-4 (30")R	2				
W2-2 (30")R	2	1			1
W3-1 (36")	1			1	1
W10-1 (36")	2	1			1
W13-1 (18") (40 MPH)	2			2	2
Type III O.M. (12" x 36")R	2			2	2
Type III O.M. (12" x 36")L	2			2	2
D3-1	12			2	2
TOTAL	42	2	5	15	22

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WORK SHEET

Sheet 1 of 3

~~XXXX~~ County Primary (27 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ S. County Line Dr.	West		W3-1 (30")
@ S. County Line Dr.	West		R1-1 (24")
@ S. County Line Dr. 0.000			Blacktop - White Skip - No Pass Yellow
@ S. County Line Dr.	East	3	Replace (2) G3-11 w/(2) D3-1
0.152	West		W2-1 (30")
0.876	East	1	Remove W2-1 (30")
@ V Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ V Dr. S.	West		R1-1 (30")
@ V Dr. S.	West	1	Remove W3-1 (30")
@ V Dr. S. 1.020			
@ V Dr. S. 0.000			
@ V Dr. S.	East		R1-1 (24")
@ V Dr. S.	East	1	Remove W3-1 (30")
0.148	West	1	Remove W2-1 (30")
0.749	East	1	Erect Type III O.M. (12"x48")L
0.749	West		Type III O.M. (12"x48")R
0.756	East		Type III O.M. (12"x48")R
0.756	West	1	Erect Type III O.M. (12"x48")L
0.874	East	1	Remove W2-2 (30")R
@ T Dr. S. 1.018			
@ T Dr. S. 0.000			
@ T Dr. S.	East	3	Replace (2) G3-11 w/(2) D3-1
@ T Dr. S.	East		R1-1 (24")
@ T Dr. S.	East	1	Replace W3-1 (30")
0.139	West	1	Relocated W2-2 (30")L
0.158	West	1	Relocate W2-2 (30")L 100' S.

WORK SHEET

Sheet 2 of 3

XXX County Primary (27 1/2 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.303	East	1	Erect W13-1 (18")(30 MPH) on W1-1 (30")L
@ S Dr. S.	West	3	Replace (2) G3-11 w/(2) D3-1
Q S Dr. S. 0.508			
	County Primary (S Drive S.)		
Q 27 1/2 Mi. Rd. 0.000			Blacktop - White Skip - No Pass Yellow
0.053	North		Erect W13-1 (18")(30 MPH) on W1-1 (30")R & relocate 150' W.
0.081	North	1	Relocated W1-1 (30")R & W13-1 (18")(30 MPH)
0.174	South	1	Relocated W1-1 (30")R & W13-1 (18")(30 MPH)
0.202	South	1	Erect W13-1 (18")(30 MPH) on W1-1 (30")R & relocate 150' E.
@ S Dr. S. (Ext.)	South	3	Replace (2) G3-11 w/(2) D3-1
Q S Dr. S. (Ext.) 0.208			
@ S Dr. S. (Ext.)	South	1	Erect R1-2 (36") facing west
Q 27 1/2 MI. Rd. 0.252			
	County Primary (27 1/2 Mile Rd.)		
Q S Dr. S. 0.000			Blacktop - White Skip - No Pass Yellow
@ S Dr. S. (Ext.)	East	1	Erect R1-2 (36") facing south
Q S Dr. S. (Ext.) 0.051			
0.208	West	1	Erect W13-1 (18")(30 MPH) on W1-1 (30")L
0.671	East	1	Erect W13-1 (18")(15 MPH) on W1-1 (30")L
Q O Dr. S. 0.840			
	County Primary (O Drive S.)		
Q 27 1/2 Mi. Rd. 0.000			Blacktop - White Skip - No Pass Yellow
@ 27 1/2 Mi. Rd.	East		W3-1 (30")
@ 27 1/2 MI. Rd.	East		R1-1 (30")
@ 27 1/2 Mi. Rd.	East		W1-6 (48")
@ 27 1/2 MI. Rd.	East	3	Replace (2) G3-11 w/(2) D3-1

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Route County Primary (27-1/2 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
F1-1 (24")	3				
R1-1 (30")	3				
R1-2 (36")	2			2	2
W1-1 (30")R	4			1	1
W1-1 (30")L	4			1	1
W1-6 (48")	1				
W2-1 (30")	1				
W2-2 (30")L	1				
W3-1 (30")	3	1			1
W3-1 (36")	1				
W13-1 (18") (15 MPH)	2			2	2
W13-1 (18") (30 MPH)	6			6	6
Type III O.M. (12" x 36")L	2			2	2
Type III O.M. (12" x 48")R	2				
Type III O.M. (12" x 48")L	2			2	2
D3-1	12			12	12
TOTAL	49	1		28	29

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~~KXX~~ County Primary (S. 28th St.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.000 C W. Columbia Ave.			Blacktop
@ W. Columbia Ave.	West		RI-1 (24")
0.116	East	1	Replace W9-1-30 w/SI-1 (36")
0.165 C Co. St.			
@ Co. St.	East	1	Erect RI-1 (24")
@ Co. St.	East	3	Erect (2)' D3-1
@ Iroquois St.	West		RI-1 (24")
0.255 C Iroquois St.			
@ Iroquois St.	West		(2) D3-1
@ Iroquois St.	East		RI-1 (24")
0.300	West	2	Replace W9-1-30 w/SI-1 (36")
@ W. Territorial Rd.	East		RI-1 (24")
0.513 C W. Territorial Rd.			
	County Primary (N 28th St.)		
0.000 C W. Territorial Rd.			Blacktop
@ W. Territorial Rd.	West		RI-1 (24")
@ W. Highland Blvd.	West	1	Erect RI-3 (12") on RI-1 (24")
@ W. Highland Blvd.	East	1	Erect RI-3 (12") on RI-1 (24")
@ W. Highland Blvd.	East		(2) D3-1
0.255 C W. Highland Blvd.			
@ W. Highland Blvd.	West		(2) D3-1
@ W. Highland Blvd.	East	1	Erect RI-3 (12") on RI-1 (24")
@ W. Highland Blvd.	West	1	Erect RI-3 (12") on RI-1 (24")
@ Floral Dr.	East		(2) D3-1
0.395 C Floral Dr.			
@ Floral Dr.	East	1	Erect RI-1 (24")

WORK SHEET

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Sheet 1 of 3

~~RAS~~ County Primary (29 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ N. Albion Lims. 0.000			Blacktop-Yellow Skip-No Pass Yellow
0.010	East		R2-1 (24") (35 MPH)
0.302	East	1	Remove W2-2 (30") L
0.363	West		R2-1 (24") (35 MPH)
@ B Dr. N.	East		W1-7 (48")
@ B Dr. N.	West	1	Replace W3-1-24 w/W3-1 (30")
@ B Dr. N.	West	1	Replace R1-1 (24")
☉ B Dr. N. 0.390			
@ B Dr. N.	West	3	Erect (2) D3-1
☉ I-94 0.472			
0.500	East	1	Remove "DRIVE DANGER SLOW" sign
0.542	East	2	Replace "WATCH FOR FIRE TRUCKS" w/W11-15 (36")
0.555	West		R2-1 (24") (35 MPH)
0.557	East	1	Remove W9-3-24
0.573	East	1	Remove W2-1 (30")
@ C Dr. N.	West	1	Erect W3-1 (36")
@ C Dr. N.	West		R1-1 (30")
☉ C Dr. N. 0.620			
☉ C Dr. N. 0.000			
@ C Dr. N.	East	3	Replace (2) G3-11 w/(2) D3-1
@ C Dr. N.	East		R1-1 (30")
@ C Dr. N.	East	1	Erect W3-1 (36")
0.018	East		R2-1 (24") (35 MPH)
0.105	West	1	Remove W2-1 (30")
0.155	West		W11-15 (36")
0.200	East	1	Remove R2-1 (24") (35 MPH)

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WORK SHEET

Sheet 2 of

~~RAS~~ County Primary (29 Mile Rd.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.200	West	1	Relocate R2-1 (24")(35 MPH) 955' N.
0.237	West	1	Remove "DRIVE DANGER SLOW" sign
0.380	East	1	Relocated R2-3a (24")
0.380	West	1	Relocated R2-1 (24")(35 MPH)
0.483	East	1	Replace R2-1 (24")(35 MPH) & "ENDS" Panel w/R2-3a (24") & relocate 540' S.
0.492	West	1	Remove R2-1 (24")(35 MPH)
0.505	East	1	Remove W2-1 (30")
@ D Dr. N.	West	3	Replace (2) G3-11 w/(2) D3-1
@ D Dr. N.	West	1	Replace W3-1 (30")
@ D Dr. N.	West		R1-1 (30")
Q D Dr. N. 0.650			
Q D Dr. N. 0.000			
@ D Dr. N.	East	1	Replace R1-1 (30")
@ D Dr. N.	East		W3-1 (30")
0.014	West	1	Relocated R2-5c (24")
0.130	West	1	Replace R2-1 (24")(35 MPH) U R2-4-24 w/ R2-5c (24") & relocate 610' S.
0.150	West	1	Remove W2-1 (30")
0.730	East		Type III O.M. (12"x48")L
0.730	West		Type III O.M. (12"x48")R
0.738	East		Type III O.M. (12"x48")R
0.738	West		Type III O.M. (12"x48")L
@ E Dr. N.	West	1	Erect R1-1 (24")
@ E Dr. N.	West	3	Erect (2) D3-1
Q E Dr. N. 1.018			
Q E Dr. N. 0.000			
0.511	East	1	Erect Type III O.M. (12"x36")L

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Route County Primary (29 Mile Rd.)

Direction of Route South to North

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
R1-1 (24")	2	1		1	2
R1-1 (30")	7	1			1
R1-3 (12")	1			1	1
R2-1 (24") (35 MPH)	5				
R2-3a (24")	1			1	1
R2-5c (24")	1			1	1
W1-7 (48")	1				
W2-1 (30")	2	1			1
W3-1 (30")	3	1		1	2
W3-1 (36")	5			5	5
W11-15 (36")	2		1		1
Type III O.M. (12" x 36")L	2			2	2
Type III O.M. (12" x 48")R	2				
Type III O.M. (12" x 48")L	2				
D3-1	10			10	10
TOTAL	46	4	1	22	27

WORK SHEET

Sheet 1 of 1

~~XXXX~~ County Primary (29 1/2 Mile Rd.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ B Dr. S.	South	W1-7 (48")
⊕ B Dr. S. 0.000		Blacktop - Yellow Skip - No Pass Yellow
@ B Dr. S.	West	RI-1 (30")
0.145	West	I Replace W3-1 (30") w/W3-1 (36")
0.482	East	I Erect Type III O.M. (12"x36")L
0.484	West	I Erect Type III O.M. (12"x36")L
0.890	East	I Replace W3-1 (30") w/W3-1 (36")
0.958	East	I Replace W10-1 (36") & relocate 85' N.
0.974	East	I Relocated W10-1 (36")
1.031	East	I Replace RI-1 (36")
1.031	East	I Replace W10-2 w/RI5-1 & "2 TRACKS" w/RI5-2
1.040	West	I Replace W10-2 w/RI5-1 & "2 TRACKS" w/RI5-2
1.040	West	I Replace RI-1 (36")
@ Division Dr.	East	RI-1 (30")
⊕ Division Dr. 1.046		
⊕ Division Dr. 0.000		End Pavement Markings
@ Division Dr.	West	RI-1 (24")
0.040	West	I Relocate W10-1 (36") 60' N.
0.051	West	I Relocated W10-1 (36")
0.148	West	W3-1 (30")
0.189	East	W3-1 (30")
@ M-99 - BL-94 (Michigan Ave.)	West	3 Replace (2) G3-11 w/(2) D3-1
⊕ M-99 - BL-94 (Michigan Ave.) 0.260		

WORK SHEET

Sheet 1 of 2

~~XXX~~ County Primary (B Drive Sl)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 18 1/2 MI. Rd.	West	1	Erect W1-7 (48")
⊕ 18 1/2 MI. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 18 1/2 MI. Rd.	North	33	Replace (2) G3-11 w/(2) D3-1
@ 18 1/2 MI. Rd.	North	1	Replace RI-2-36 w/RI-1 (30")
0.150	North	1	Replace W3-2 (30") w/W3-1 (36")
0.520	South		Type <input type="checkbox"/> O.M. (12"x48")L
0.520	North		Type <input type="checkbox"/> O.M. (12"x48")R
0.529	South		Type <input type="checkbox"/> O.M. (12"x48")R
0.529	North		Type <input type="checkbox"/> O.M. (12"x48")L
0.633	South	2	Replace W3-2 (30") w/W3-2 (36")
@ Homer Rd.	South	2	Replace RI-2-36 w/RI-2 (36")
@ Homer Rd.	South	3	Replace (2) G3-11 w/(2) D3-1
⊕ Homer Rd. 0.785			
@ Homer Rd.	West		W1-7 (48")
⊕ Homer Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ Homer Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ Homer Rd.	North		RI-1 (30")
0.161	North	1	Replace W3-1 (30") w/W3-1 (36")
0.179	South		Type <input type="checkbox"/> O.M. (12"x36")L
0.179	North		Type <input type="checkbox"/> O.M. (12"x36")R
0.187	South		Type <input type="checkbox"/> O.M. (12"x36")R
0.187	North	1	Replace Type <input type="checkbox"/> O.M. (12"x36")L
0.198	South	1	Erect W13-1 (18")(25 MPH) on W1-1 (30")R
0.331	North	1	Erect W1-6 (48") facing southwest
0.331	North	1	Erect W1-6 (48") facing east

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WORK SHEET

Sheet 1 of 3

~~XXX~~ County Primary (G Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
☉ 7 1/2 Mi. Rd. 0.000			Blacktop - Yellow Skip - No Pass Yellow
@ 7 1/2 Mi. Rd.	North		RI-1 (30")
☉ G Dr. S. (Ext.) 0.063			
@ G Dr. S. (Ext.)	North	1	Erect RI-2 (36") facing northeast
@ G Dr. S. (Ext.) @ 8 Mi. Rd.	North	1	Erect RI-1 (24") facing southwest
@ 8 Mi. Rd.	North	1	Replace RI-2-36 w/RI-1 (30")
☉ 8 Mi. Rd. 0.095			
@ 8 Mi. Rd.	South	1	Erect WI-7 (48")
@ 8 Mi. Rd.	North	3	Erect (?) D3-1
	North	1	Replace W3-1 (30") w/W3-1 (36")
	South		W2-2 (30")R
	South		WI-2 (30")L
☉ Co. Rd. 0.610			
@ Co. Rd.	South	1	Erect RI-1 (24")
	South	1	Erect WI-6 (48") facing west
	South	1	Erect WI-6 (48") facing northeast
	North		W2-2 (30")L
	North		WI-2 (30")R
	South		WI-2 (30")R
	South	1	Remove W2-2 (30")L
	North	1	Erect WI-6 (48") facing southeast
@ 9 Mi. Rd.	North	1	Replace RI-2-36 w/RI-1 (30")
@ 9 Mi. Rd.	North	1	Replace W3-2 (30") w/W3-1 (30")
@ 9 Mi. Rd.	South	1	Erect WI-7 (48")
☉ 9 Mi. Rd. 1.230			
☉ 9 Mi. Rd. 0.000			

WORK SHEET

Sheet 2 of 3

~~XXXX~~ County Primary (G Drive S.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
@ 9 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
0.008	North	1	Erect W1-6 (48") facing east
0.082	North	1	Remove W2-2 (30")R
0.152	North		W1-2 (30")L
0.278	South	1	Erect Type <input type="checkbox"/> O.M. (12"x36")L
0.300	North	1	Erect Type <input type="checkbox"/> O.M. (12"x36")L
0.370	South	1	Remove W2-2 (30")L
@ 9 1/2 MI. Rd.	North	1	Replace R1-2-36 w/R1-1 (30")
@ 9 1/2 MI. Rd.	North	3	Replace (2) G3-11 w/(2) D3-1
@ 9 1/2 MI. Rd. 0.515			
0.615	South	1	Remove W2-2 (30")R
0.657	North	1	Remove W2-2 (30")R
@ 10 MI. Rd.(S.) 0.766			
@ 10 MI. Rd.(S.) 0.000			
@ 10 MI. Rd.(S.)	North		W1-7 (48")
@ 10 MI. Rd.(S.)	North	3	Replace (2) G3-11 w/(2)D3-1
@ 10 MI. Rd.(S.)	South		R1-1 (24")
0.110	North	1	Remove W2-2 (30")L
0.125	South	1	Replace W1-2 (30")L
0.255	South	1	Erect W1-6 (48") facing west
0.256	South	1	Erect W1-6 (48") facing northeast
0.292	South	1	Remove W2-2 (30")L
0.312	South		W1-2 (30")R
0.380	North		W1-2 (30")R
@ 10 MI. Rd.(Ext.) 0.397			
@ 10 MI. Rd. (Ext.)	North	1	Replace R1-2-36 w/R1-2 (36") & Reloc. 100' S.W.

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WORK SHEET

Sheet 1 of 3

~~RAS~~ County Primary (H Drive N.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
⊕ 28 Mi. Rd. 0.000			Blacktop - White Skp - No Pass Yellow
0.085	North	1	Erect W3-1 (36")
0.148	North		W2-2 (30")R
0.369	South		Type III O.M. (12"x48")L
0.372	South		Type III O.M. (12"x48")R
0.373	North		Type III O.M. (12"x48")R
0.387	North		Type III O.M. (12"x48")L
1.127	South	1	Remove W2-2 (30")R
@ 24 Mi. Rd.(S.)	South	3	Replace (2) G3-11 w/(2) D3-1
@ 24 Mi. Rd.(S.)	North	1	Replace W1-7 (48")
⊕ 24 Mi. Rd.(S.) 1.269			
⊕ 24 Mi. Rd.(S.) 0.000			
@ 24 Mi. Rd. (S.)	South		RI-1 (30")
@ 24 Mi. Rd. (S.)	South	1	Replace W3-1 (30")
0.030	South	1	Remove W2-2 (30")L
0.060	South	1	Remove "SLOW" sign
0.098	North		W2-2 (30")L
@ 24 Mi. Rd.(N.)	North	1	Relocate RI-1 (30") 50' S.
@ 24 Mi. Rd.(N.)	North		W3-1 (30")
@ 24 Mi. Rd.(N.)	South		W1-7 (48")
⊕ 24 Mi. Rd.(N.) 0.133			
@ 24 Mi. Rd.(N.)	North	3	Replace (2) G3-11 w/(2) D3-1
0.285	North		W2-2 (30")R
0.473	South	1	Replace W1-1 (30")L w/W1-2 (30")L & Erect W13-1 (18") (40 MPH)
0.635	South	1	Erect W1-6 (48") facing west
0.740	East	1	Erect W1-6 (48") facing north

WORK SHEET

~~XXX~~ County Primary (H Drive N.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
0.750	West	1 Remove "SLOW" sign
0.790	East	1 Erect W13-1 (18")(25 MPH) on W1-1 (30")R
0.880	West	1 Replace W1-1 (30")R w/W1-2 (30")R & erect W13-1 (18")(40 MPH)
0.915	West	1 Erect W1-6 (48") facing south
0.938	North	1 Erect W1-6 (48") facing east
1.093	North	1 Replace W1-1 (30")L & Erect W13-1 (18")(25 MPH)
1.123	South	1 Erect W13-1 (18")(25 MPH) on W1-1 (30")R
1.288	North	1 Erect W1-6 (48") facing west
1.345	East	1 Erect W1-6 (48") facing south
1.383	West	1 Erect W13-1 (18")(30 MPH) on W1-1 (30")L
1.470	East	1 Erect W13-1 (18")(25 MPH) on W1-1 (30")L
1.505	West	1 Erect W1-6 (48") facing north
1.563	South	1 Erect W1-6 (48") facing east
1.735	North	1 Erect W13-1 (18")(30 MPH) on W1-1 (30")R
1.883	South	W3-1 (30")
@ 26 MI. Rd.	South	R1-1 (24")
@ 26 MI. Rd. 2.050		
@ 26 MI. Rd. 0.000		
@ 26 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1
@ 26 MI. Rd.	North	R1-1 (24")
0.150	North	1 Replace W3-1 (30") w/W3-1 (36")
0.882	South	1 Remove W2-2 (30")R
@ 27 MI. Rd. 1.033		
@ 27 MI. Rd. 0.000		
@ 27 MI. Rd.	North	W1-7 (48")
@ 27 MI. Rd.	South	3 Replace (2) G3-11 w/(2) D3-1

STATE OF MICHIGAN
DEPARTMENT OF STATE HIGHWAYS
TRAFFIC AND SAFETY DIVISION

QUANTITY SHEET

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SPL Form - 61
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County Calhoun

Sheet 1 of 1

Route County Primary (H Drive N.)

Direction of Route West to East

LEGEND	TOTAL	POOR CONDITION	OBSOLETE	SIGN NEEDED	TOTAL TO REPLACE
RI-1 (24")	4			1	1
RI-1 (30")	4				
RI-2 (36")	1			1	1
WI-1 (30")R	3				
WI-1 (30")L	3	1			1
WI-2 (30")R	1			1	1
WI-2 (30")L	1			1	1
WI-6 (48")	8			8	8
WI-7 (48")	4	1			1
W2-2 (30")R	3				
W2-2 (30")L	3				
W3-1 (30")	4	1		1	2
W3-1 (36")	4			3	3
W13-1 (18") (25 MPH)	4			4	4
W13-1 (18") (30 MPH)	2			2	2
W13-1 (18") (40 MPH)	2			2	2
Type III O.M. (12" x 48")R	2				
Type III O.M. (12" x 48")L	2				
D3-1	10			10	10
TOTAL	65	3		34	37

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WORK SHEET

Sheet 1 of 5

~~RAS~~ County Primary (Riverside Dr.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
⊕ B Dr. N. 0.000		Blacktop - Yellow Skip - No Pass Yellow
⊕ B Dr. N.	West	R1-1 (36")
0.036	East	R2-1 (24")(45 MPH)
⊕ I-94 0.141		
0.161	West	1 Remove W3-1 (30")
⊕ Shortridge Rd.	West	(2) D3-1
⊕ Shortridge Rd.	West	R1-1 (24")
⊕ Shortridge Rd. 0.322		
⊕ Brookfield Ct. 0.388		
⊕ Brookfield Ct.	East	(2) D3-1
⊕ Brookfield Ct.	East	1 Replace R1-1 (24")
0.520	East	R2-1 (24")(45 MPH)
0.520	West	R2-1 (24")(45 MPH)
⊕ Brookfield Dr.	West	(2) D3-1
⊕ Brookfield Dr.	West	1 Replace R1-1 (24")
⊕ Brookfield Dr. 0.595		
0.629	East	1 Remove W2-2 (24")R
⊕ Hamilton La.	East	(2) D3-1
⊕ Hamilton La. 0.672		
⊕ Hamilton La.	East	R1-1 (24")
⊕ Hamilton La.	West	R1-1 (24")
⊕ Hamilton La. 0.707		
⊕ Hamilton La.	West	(2) D3-1
0.883	West	R2-1 (24")(45 MPH)
⊕ Wah-Wah-Tay-See Way	West	R1-1 (24")
⊕ Wah-Wah-Tay-See Way 0.895		

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Sheet 2 of 5

~~RXX~~ County Primary (Riverside Dr.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
@ Wah-Wah-Tay-See Way	East	(2) D3-1
@ Wah-Wah-Tay-Sep Way	East	R1-1 (24")
0.912	East	R2-1 (24") (35 MPH)
0.939	East	1 Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
@ Devon Rd.	West	(2) D3-1
@ Devon Rd.	West	R1-1 (24")
@ Devon Rd. 0.962		
@ E. Minges Rd.	West	R1-1 (24")
@ Minges Rd. 1.022		
@ E. Minges Rd. 0.000		
@ E. Minges Rd.	East	(2) D3-1
@ E. Minges Rd.	East	R1-1 (24")
0.021	East	1 Remove R4-13-36
@ Beachfield Dr. 0.049		
@ Beachfield Dr.	East	(2) D3-1
@ Beachfield Dr.	East	R1-1 (24")
0.068	West	1 Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
@ S. Moorland Dr.	West	R1-1 (24")
@ S Mooreland Dr. 0.135		
@ S. Mooreland Dr.	West	(2) D3-1
0.185	East	R2-1 (24") (35 MPH)
0.185	West	R2-1 (24") (35 MPH)
@ S. Hills Rd.	West	(2) D3-1
@ S. Hills Rd.	West	R1-1 (24")
@ S. Hills Rd. 0.200		
@ Edgehill Pl.	West	R1-1 (24")

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WORK SHEET

Sheet 3 of 5

~~XRAX~~ County Primary (Riverside Dr.)

REFERENCE	LOCATION	PRIORITY & DESCRIPTION
Ⓢ Edgehill Pl. 0.255		
@ Edgehill Pl.	West	(2) D3-1
Ⓢ Briarhill Dr. 0.398		
@ Briarhill Dr.	East	(2) D3-1
@ Briarhill Dr.	East	R1-1 (24")
@ Edgehill Rd.	West	R1-1 (24")
Ⓢ Edgehill Rd. 0.415		
@ Edgehill Rd.	West	(2) D3-1
@ Country Club	East	(2) D3-1
Ⓢ Country Club 0.488		
@ Country Club	East	R1-1 (24")
	West	R2-1 (24") (35 MPH)
	East	R2-1 (24") (35 MPH)
Ⓢ Morningside Dr. 0.551		
@ Morningside Dr.	East	(2) D3-1
@ Morningside Dr.	East	R1-1 (24")
@ Meadow Dr.	West	(2) D3-1
@ Meadow Dr.	West	R1-1 (30")
Ⓢ Meadow Dr. 0.703		
@ Meadow Dr.	East	R1-1 (30")
@ Eastfield Dr.	West	(2) D3-1
@ Eastfield Dr.	West	1 Replace R1-1 (24")
Ⓢ Eastfield Dr. 0.815		
	East	1 Raise R2-1 (24") (35 MPH) to 5' B.H.
	West	1 Raise R2-1 (24") (35 MPH) to 5' B.H.
	East	2 Replace W9-1-30 w/S1-1 (36")

WORK SHEET

~~RAS~~ County Primary (Riverside Dr.)

REFERENCE	LOCATION		PRIORITY & DESCRIPTION
0.968	East	1	Remove "SLOW SCHOOL" sign
@ Chapel Hill Dr. 1.033			
@ Chapel Hill Dr. 0.000			
@ Chapel Hill Dr.	East		(2) D3-1
@ Chapel Hill Dr.	East		RI-1 (30")
@ County Rd. 0.108			
@ County Rd.	East	3	Erect (2) D3-1
@ County Rd.	East	2	Replace RI-2-30 w/RI-2 (36")
0.146	East	1	Remove W2-1 (36")
@ Sheffield Rd.	East		(2) D3-1
@ Sheffield Rd. 0.170			
@ Sheffield Rd.	East	2	Replace RI-2-30 w/RI-2 (36")
0.191	West	1	Replace W9-1-30 w/SI-1 (36")
0.238	West	1	Remove "WATCH FOR CHILDREN" sign
0.246	West	1	Replace R2-1 (24") (35 MPH)
@ G Dr. N. (Golden Ave.) 0.263			
0.299	East		R2-1 (24") (35 MPH)
0.368	West		W2-1 (30")
@ Jean Ln.	West	3	Replace (2) D3-1
@ Jean Ln.	West		RI-1 (24")
@ Jean Ln. 0.375			
0.398	West	1	Replace W9-2-36 w/S2-1 (36") & relocate to painted crosswalk
@ Hayman Ave.	East		(2) D3-1
@ Hayman Ave. 0.453			
@ Hayman Ave.	East		RI-1 (24")
@ Weeks Ave.	West		(2) D3-1

